

2004 – 2006

Graduate Catalog

***Winthrop University
Rock Hill, South Carolina
Volume 92***

Effective August 16, 2004 through August 15, 2006

***The Web Catalog is available at:
www.winthrop.edu/graduate-studies***

WINTHROP UNIVERSITY

PROFILE

Location:	Rock Hill, South Carolina Geographic center of the two Carolinas 20 miles south of Charlotte, North Carolina 42 buildings on 425-acre campus
Faculty:	492 faculty (full- and part-time)
Students:	6558 (Fall 2003) 21 percent graduate 1397 graduate students
Academic Year:	Two semesters Optional summer terms
Office Hours:	8:30 a.m. to 5 p.m. Monday-Friday
Telephone:	803/323-2204 Graduate Studies Office 800/411-7041
Fax:	803/323-2292
Internet:	graduatestu@winthrop.edu
Web:	http://www.winthrop.edu/graduate-studies
Address:	Oakland Avenue, Rock Hill, SC 29733

Purpose of Catalog

The purpose of this catalog is to present detailed information regarding Winthrop's graduate curricula, and to provide a general description of its various academic units. The information and educational requirements represent a flexible program that may be altered where such alterations are thought to be in the mutual interest of the university and its students.

The provisions of the catalog do not constitute any offer of a contract which may be accepted by students through registration and enrollment in the University. The University reserves the right to change without notice any fee, provision, offering or requirement in this catalog and to determine whether a student has satisfactorily met requirements for admission or graduation. The most current program requirements are posted on our website at: www.winthrop.edu/graduate-studies.

Student Responsibility

Each academic unit establishes requirements that must be met prior to a degree being granted. It is important that the student become familiar with these requirements and complete them within the prescribed deadlines. Advisors, department heads and deans are available to offer assistance but the ultimate responsibility rests with the student.

Winthrop University offers equal opportunity in its employment, admissions, and educational activities.

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Winthrop University Calendar 2004 - 2006

Fall Semester 2004

August 23, Monday	Open Registration Graduate Orientation
August 23-27, Monday – Friday August 23, Monday, 4 p.m.	Schedule change period Convocation and Blue Line
August 24, Tuesday	Fall 2004 classes begin
August 27, Friday	Last day of Fall semester registration Last day to change course or course section Last day to audit courses
September 9, Thursday	Graduate Studies Open House
September 10, Friday	Last day to elect S/U option
September 13, Monday	Last day to submit Application for Graduation without paying late fee
September 21, Tuesday, 10 a.m. - 1 p.m.	Graduate and Professional School Day McBryde Hall
September 27, Monday	Last day to drop full-semester courses with grade of automatic "N"
October 15 - 18, Friday – Monday	Fall Break
October 19, Tuesday	Advising for Spring 2005 begins
November 2, Tuesday	Election day, University closed
November 3, Wednesday	Early Registration for Spring 2005 begins
November 9, Tuesday, 5:30 - 7 p.m.	Graduate and New Start Open House Johnson Hall Lobby
November 24 - 28, Wednesday – Sunday November 25 - 26, Thursday – Friday	Thanksgiving Holidays Offices closed
November 29, Monday, 9 a.m.	Submit to Graduate Studies Theses, Results of Comprehensive Examinations, Portfolios and Recitals
November 29, Monday	Last day to withdraw from full-semester course
December 6, Monday	Last day of Fall 2004 classes
December 7, Tuesday	Study Day
December 7 - 15, Tuesday – Wednesday	Final Examinations
December 16, Thursday, 7 p.m.	Commencement
December 25 - January 1	Holiday Break (offices closed)

*The University will be closed on December 24 if the governor declares Christmas Eve a holiday.

Spring Semester 2005

January 10, Monday	Spring 2005 Classes Begin Open Registration Graduate Orientation
January 10-14, Monday – Friday	Schedule change period
January 14, Friday	Last day of Spring semester registration Last day to audit courses
January 17, Monday	Martin Luther King, Jr. Holiday Offices closed
January 21, Friday	Last day to elect S/U option
February 1, Tuesday	Last day to submit Application for Graduation without paying late fee
February 14, Monday	Last day to drop full-semester courses with grades of automatic "N"
March 8, Tuesday, 5:30 - 7 p.m.	Graduate and New Start Open House Johnson Hall Lobby
March 14 - 20, Monday – Sunday	Spring Break
March 17 - 18, Thursday – Friday	Offices closed
March 23, Wednesday	Advising for Fall 2005 begins
April 6, Wednesday	Early Registration for Summer and Fall 2005 begins
April 13, Wednesday, 9 a.m.	Submit to Graduate Studies Theses, Results of Comprehensive Examinations, Portfolios and Recitals
April 18, Monday	Last day to withdraw from a full-semester course
April 25, Monday	Last day of Spring 2005 classes
April 26, Tuesday	Study Day
April 26 - May 4, Tuesday – Wednesday	Final examinations
May 5, Thursday, 7 p.m.	Graduate Commencement

Summer Semester 2005

May 16 - June 3	Session A Maymester
June 6, Monday	Submit Application for August Graduation
June 6 - August 5	Session B
June 6 - July 7	Session C
July 11 - August 10	Session D
July 22, Friday, 9 a.m.	Submit to Graduate Studies Theses, Results of Comprehensive Examinations, Portfolios and Recitals

Fall Semester 2005 (Subject to Change)

August 22, Monday	Open Registration Graduate Orientation
August 22 - 26, Monday – Friday August 22, Monday, 4 p.m.	Schedule change period Convocation and Blue Line
August 23, Tuesday	Fall 2005 classes begin
August 26, Friday	Last day of Fall semester registration Last day to audit courses
September 8, Tuesday, 5:30 – 7p.m.	Graduate and New Start Open House, Johnson Hall Lobby
September 12, Wednesday	Last day to submit Application for Graduation without paying late fee
September 21, Tuesday, 10 a.m. - 1 p.m.	Graduate and Professional School Day McBryde Hall
September 26, Monday	Last day to drop full-semester courses with grade of automatic "N"
October 17 - 18, Monday – Tuesday	Fall Break
October 24, Monday	Advising for Spring 2006 begins
November 7, Monday	Early Registration for Spring 2006 begins
November 23 - 27, Wednesday – Sunday November 23 - 25, Wednesday – Friday	Thanksgiving Holidays Offices closed
November 28, Monday, 9 a.m.	Submit to Graduate Studies Theses, Results of Comprehensive Examinations, Portfolios and Recitals
November 28, Monday	Last day to withdraw from full-semester course
December 5, Monday	Last day of Fall 2005 classes
December 6, Tuesday	Study Day
December 6 - 14, Tuesday- Wednesday	Final Examinations
December 15, Thursday, 7 p.m.	Commencement
December 26 - 30, Monday – Friday	Holiday Break (offices closed)

*The University will be closed December 23 if the governor declares Christmas Eve a holiday.

Spring Semester 2006 (Subject to Change)

January 9, Monday	Open Registration Graduate Orientation
January 9 - 13, Monday – Friday	Schedule change period
January 9, Monday	Spring 2006 classes begin
January 13, Friday	Last day of Spring semester registration Last day to audit courses
January 16, Monday	Martin Luther King, Jr. Holiday Offices closed
January 30, Monday	Last day to submit Application for Graduation without paying late fee
February 13, Monday	Last day to drop full-semester courses with grades of automatic "N"
March 13 - 17, Monday – Friday	Spring Break
March 16 - 17, Thursday – Friday	Offices closed
March 22, Wednesday	Advising for Summer and Fall 2006 begins
April 5, Wednesday	Early Registration for Summer and Fall 2006 begins
April 12, Wednesday, 9 a.m.	Submit to Graduate Studies Theses, Results of Comprehensive Examinations, Portfolios and Recitals
April 17, Monday	Last day to withdraw from a full-semester course
April 24, Monday	Last day of Spring 2006 courses
April 25, Tuesday	Study Day
April 25 - May 3, Tuesday - Wednesday	Final examinations
May 4, Thursday, 7 p.m.	Commencement

Summer 2006 (Subject to Change)

May 15 - June 2	Session A Maymester
June 5	Submit Application for August Graduation
June 5 - August 4	Session B
June 5 - July 6	Session C
July 10 - August 9	Session D
July 21, Friday, 9 a.m.	Submit to Graduate Studies Theses, Results of Comprehensive Examinations, Portfolios and Recitals

Winthrop University courses are scheduled throughout the day and evening beginning at 8 a.m. and ending at 9:15 p.m. Many of the courses offered in the evening are graduate professional courses. Students are encouraged to refer to the current semester's Schedule of Courses for additional information.

Summer School

Winthrop University's summer school is composed of an intensive 3 week Maymester, two 4 ½- week sessions and a 10- week session that allows students to take advantage of many summer opportunities. The summer program reflects the same educational goals as those of the regular academic year. Winthrop summer sessions also provide special advantages in allowing both current and new students an opportunity to accelerate their work toward a degree or to pursue academic directions they have been unable to explore during the regular school year.

General Information

About The University History

Winthrop's history dates to 1886 when 21 students gathered in a borrowed one-room building in Columbia, S.C. , David Bancroft Johnson, a dedicated and gifted superintendent of schools, headed up the fledgling institution, whose mission was the education of teachers. Winthrop has changed considerably since moving to its permanent Rock Hill home in 1895, growing from a single classroom to a comprehensive university of distinction. Winthrop's total acreage now includes a historic, traditional central campus plus recreational east campus and growing west campus. Today, nearly 6,600 students take courses in arts and sciences, education, business administration and visual and performing arts, all of which are supported by Winthrop's newest academic division, University College.

Institutional Focus

In pursuit of its goal of national-caliber education, Winthrop demonstrates the characteristics which make it distinctive among universities of its kind: A carefully selected student body of high academic achievement and cultural diversity; a challenging and comprehensive curriculum of the arts, sciences and professions; a residential educational experience emphasizing personal identity and close relationships; and a highly qualified faculty dedicated to teaching and public service. As a comprehensive learning institution, Winthrop offers an educational environment for its entire campus community-students, faculty and staff alike.

Accreditation

Winthrop University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's, master's and specialist degrees. A

total of 36 undergraduate and 25 graduate degree programs are available in the College of Arts & Sciences, the College of Business Administration, the Richard W. Riley College of Education and the College of Visual and Performing Arts. Within the four colleges more than 80 undergraduate and 40 graduate programs of study are offered through concentrations and options.

Winthrop's academic programs are measured by national standards of quality. Each academic program that can be nationally accredited through a professional specialized organization has earned that distinction. The documents of accreditation reside in the Office of Academic Affairs. The following is a listing of the specialized organizations that Winthrop University is affiliated with:

- Accrediting Council on Education in Journalism and Mass Communication (ACEJMC)
- Association of Graduate Liberal Studies Programs (AGLSP)
- Commission on Accreditation for Dietetics Education (CADE)
- Computing Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc. (CAC/ABET)
- Council for Accreditation of Counseling and Related Educational Programs (CACREP)
- Council on Social Work Education (CSWE)
- Foundation for Interior Design Education Research (FIDER)
- The Association to Advance Collegiate Schools of Business (AACSB International)
- National Association of the Education of Young Children (NAEYC)
- National Association of School Psychologists (NASP)
- National Association of Schools of Art and Design (NASAD)
- National Association of Schools of Dance (NASD)
- National Association of Schools of Music (NASM)

- National Association of Schools of Theatre (NAST)
- National Council for the Accreditation of Teacher Education (NCATE)

Campus

Winthrop's tree-lined central campus encompasses a rich architectural blend of buildings, and is included in the National Register of Historic Places. Behind its stately facade, community members pursue educational endeavors in spacious academic facilities, enhanced with smart technology and in laboratories and performance venues suitably equipped for rising professionals. The campus' computing infrastructure provides a state-of-the-art learning environment, including high-speed Internet access from all campus buildings and residence hall rooms.

About half of Winthrop's students live on campus, only a short walk from classrooms, dining locations, art galleries, Dacus Library and Dinkins Student Center. East campus' recreational area surrounds Winthrop Lake and includes a newly renovated coliseum, new ballpark and tennis complex, a 9-hole golf course, an 18-hole disc golf course and numerous athletic fields.

Academic Support and Facilities

Academic Computing

Winthrop University Academic Computing supports the instructional and research functions of the University. Within the Division of Computing and Information Technology, Academic Computing provides access to diverse computing resources. These resources include Linux servers and workstations, Windows XP microcomputer networks, laboratories with microcomputers, and access to Open VMS clustered AlphaServers. Over 20 computer laboratories supporting PC, Macintosh, Linux and UNIX systems are available on campus for open access and instructional needs.

Winthrop's host computers have an assortment of programming languages such as Ada, BASIC, C, C++, COBOL, Fortran, Java, LISP and Pascal. Microcomputer networks and laboratories provide computing resources for support of instructional and research applications. Typical applications include desktop publishing, database management, spreadsheet analysis, graphics, communications, word processing, statistical analysis and mathematical computation. Specific applications include Microsoft Office Premium, Frontpage, Internet Explorer, PC-SAS, SPSS, Mathematica, Microsoft Visual Studio. Some labs support additional software including AutoCAD, Photoshop and other design applications.

All main campus buildings and residence halls are connected to the campus network and Internet through fiber optic cable. Students are provided with consolidated computing services including web based email, central server storage space and personal web pages.

The Academic Computing Center also provides computer access for visually-impaired students as well as Braille printing services.

General operational hours for Academic Computing labs are posted at:

http://www.winthrop.edu/acc/default.asp?Page=lab_info.asp

For additional information on Academic Computing, visit <http://www.winthrop.edu/acc> or call 803/323-3491.

Distance Learning

Winthrop University is a leader in instructional technology, featuring the Distance Education Classroom in the College of Business Thurmond Building. Utilizing state-of-the-art telecommunications and fiber optic technology, classes are fully interactive between Winthrop and the remote sites. Students and teachers communicate with each other simultaneously in classrooms outfitted with robotic cameras, TV monitors, desk microphones and a fully equipped television control room.

MBA candidates at Coastal Carolina University in Conway, SC, are online with Winthrop to take advantage of this learning opportunity. Winthrop's MBA degree is the same AACSB accredited program that has enjoyed more than 20 years of success serving the Charlotte Metrolina region.

Ida Jane Dacus Library

The faculty and collections of the Dacus Library are an integral part of the University's instructional program. Students unfamiliar with Dacus Library may request basic instruction in library use as well as specialized instruction in advanced topics. Dacus Library Online is Winthrop's entry to digital information sources, from the Dacus Online Catalog, offering over 80 electronic databases and the Internet. The library's electronic resources are available from outside the library and off-campus as well as from over 50 workstations in the library. E-reserves allow students access to most reserved reading 24 hours a day, 7 days a week. The library also offers wireless access on its 10 circulating laptops.

The library's collections have been selected to support the curriculum and research of the University and are housed in open stacks. Study and lounge areas are interspersed throughout the building. Designated areas are provided for archives, microforms, special collections and United States Government publications. An "electronic classroom" is used for teaching classes in research methods and library skills. Closed carrels for faculty and graduate student research purposes, as well as facilities for photocopying, listening and view are available.

As of July 1, 2003, the Library's holding totaled over 600,000 volume-equivalents, 430,000 books and bound periodicals; 1,191, 255 microforms, 2, 248 pieces of audio-visual materials, 1,754 paper serial titles and access to more than 7,000 electronic periodicals.

International Center

Characteristic of an institution that encourages multicultural diversity, Winthrop University offers support for the unique needs of students from other countries. The International Center, located in 206 Tillman, serves to integrate international students into American society, provides assistance with problems on campus and in the community, offers a social outlet through membership in the International Klub and advises students on immigration procedures and other related matters. An international student advisor is available full-time to discuss special concerns or issues with students.

The International Center also provides services for those students interested in study abroad. There is a study abroad coordinator available full-time to discuss study abroad options for students studying at Winthrop University.

Macfeat Early Childhood Laboratory School

The Macfeat Laboratory School for children ages 3 to 5 is operated by the Richard W. Riley College of Education as a training, demonstration and research facility. Macfeat is accredited by the National Academy of Early Childhood Programs (NAEYC) an organization that recognizes outstanding early childhood programs which meet national standards of quality. Macfeat is staffed by professional educators with advanced degrees, graduate and undergraduate students and numerous volunteers. The Lab School provides each child with a unique opportunity to explore, create, experiment and socially interact with other children and caring competent adults.

The classrooms are child-centered, designed with learning centers that foster independence, creativity, collaboration and discovery. The Lab School strives to meet the physical cognitive and social/emotional needs of each child while exploring ways to best meet the educational challenges facing parents and teachers of young children in the 21st century.

Visual and Performing Arts Facilities

To support the University's arts curricula, as well as a diverse range of cultural offerings, Winthrop maintains several versatile performing spaces. Byrnes Auditorium with seating for 3500, and the adjoining 212-seat Frances May Barnes Recital Hall are located in the center of the campus. Historic Tillman Auditorium has a seating capacity of 700. Johnson Hall includes a 331-seat theatre, a smaller studio theatre, an actors' studio and two dance studios.

In addition, Winthrop Galleries, comprised of two professional spaces in Rutledge Building and student galleries in McLaurin Hall, provide an array of exhibition spaces. The works of faculty, students, regional and national artists are presented on a regular basis.

Academic Support and Facilities

The Music Library, located in McLaurin Hall, supports the academic program of the Department of Music with more than 15,000 sound recordings and printed scores. Listening stations are also available in the library. The Music Library supports computer access to the holdings of the main campus library (Dacus) and specialized research software provided on the Internet.

The Computer Music Laboratory is located in Byrnes and is supported by the latest computer, keyboard and smart-classroom technology. Students study composition and music theory utilizing Finale, Performer, Encore, and Practica Musica software programs.

Writing Center

The Writing Center, located in 242 Bancroft Hall, provides a free writing, consulting service to all members of the University community: students, staff, administrators and faculty. The Writing Center's purpose is to help writers at all levels learn more about their writing through tutoring sessions. Tutors help writers analyze assignments, address audiences appropriately, improve their composing processes, strengthen the focus and organization of their writing and improve their control of the language. The Writing Center cannot provide a proofreading/editing service or guarantee better grades; its primary purpose is to improve writing in the long term.

Although operating hours may vary from semester to semester, the Writing Center is open at least five days a week, with some evening and weekend hours. Scheduling an appointment ensures that a tutor will be available. To make an appointment, telephone 803/323-2138 or visit the website at: www.winthrop.edu/wcenter.

Student Services and Support Facilities

Campus Ministries

Representing a variety of denominations and faiths, the spiritual needs of many Winthrop students are met through campus ministries and religious organizations. A full agenda of activities promote fellowship, as well as spiritual and personal growth. Among the religious organizations are:

Abundant Life in Christ
Alpha Omega
Baha'i Club
Baptist Student Union
Campus Crusade for Christ
Fellowship of Christian Athletes
Jewish Student Organization
Lutheran Campus Ministry
Newman Community (Catholic)
Reformed University Fellowship (PCA)
Tabernacle of Praise Student Outreach
Wesley Foundation (United Methodist)

Campus Police

Campus Police are located in the Crawford Building. They are a full-service police agency serving the Winthrop community by providing law enforcement services 24 hours a day, seven days a week. Services include handling emergency situations, protecting life and property, crime prevention and traffic control.

In case of an emergency, the emergency phone call boxes located throughout the campus connect the caller to Campus Police. The telephone number is 803/323-3333.

Career Services

The Career Services Office is located in the Sykes House, 638 Oakland Avenue. Our goal is to provide students and alumni with resources and programs to develop the necessary skills to conduct effective career

searches and make informed career decisions. Services include one-to-one career guidance, interest and personality trait assessment tools, workshops on resume writing, interviewing, etiquette, networking and money matters as well as cooperative education, Alumni Career Network computer resource room and a career library.

Counseling Services

The Counseling Services staff helps students deal with such personal concerns as family and relationship difficulties, low self-esteem, stress and anxiety, depression, alcohol and drug abuse, sexual abuse, and eating disorders. Short-term individual, couples, and group counseling is free and confidential.

Learning assistance is available to help students improve study, test-taking, presentation, and time-management skills.

Wellness Services are provided to educate students about such health related topics as substance abuse prevention, contraceptives and sexually transmitted infections, sexual violence and body image.

Services for students with documented disabilities are available to remove barriers that impede academic success.

The College Level Examination Program (CLEP), subject exams for Graduate Record Examination (GRE), Miller Analogy Test (MAT), and the PRAXIS Series are administered. For additional information, call 803/323-2233 or come by 203 Crawford Building between the hours of 8:30 a.m. and 5 p.m., Monday through Friday.

Dinkins Student Center

The headquarters for student activities on the Winthrop campus is Dinkins Student Center. The facility houses administrative offices, including the Vice President for Student Life, Dean of Students and the offices of Residence Life, Multicultural Student Life, Judicial Affairs, Service Learning Center and Greek Life. The Center is also home to various student organizations, Dinkins Student Union, and the post office as well as a food court, small auditorium and organizational meeting rooms.

Health Services

Students' health needs are met by the professional staff of Health Services. The nurses and nurse practitioners on duty provide acute care on a walk-in basis from 8:30 a.m. to 5 p.m., Monday through Friday. While many services are free, some laboratory, pharmacy and medical procedures/supplies involve a charge that is billed to the student.

Students must have a current (within one year of admission) physical examination on file to use Health Services. Physical examinations and health histories are to be updated every four years. For after-hours services, Piedmont Medical Center is within two miles of the University. ***For all on-campus medical emergencies, call Public Safety at 803/323-3333.***

Students with such chronic health problems as diabetes or heart problems should make arrangements to continue treatment with their current physician or to have their records sent to appropriate specialists in the Rock Hill area. If a student requests, the Health Services staff will assist in finding appropriate medical specialists. Students are strongly encouraged to be covered by an accident/sickness/major medical insurance policy.

Prior to registration at Winthrop, all students must submit to Health Services documentation showing compliance with the Winthrop University Immunization Policy. Students not in compliance with the Immunization Policy will not be allowed to register for classes. Students taking classes off-campus or attending a class of two weeks or less are exempt from the immunization requirements.

Multicultural Student Life

Within Winthrop's community of learners is a highly valued and appreciated minority student population whose needs are addressed through an integration of campus resources and programs. One such resource is the Multicultural Student Life Office in Dinkins Student Center. The office is designed to augment the academic, personal, cultural and social development of African American students as well as Asian American, Hispanic/Latino, Native American, Jewish, Gay, Lesbian and Bisexual students and other special interest groups by offering a number of services: resources such as publications, books and video tapes; various activities during Welcome Week; a Martin Luther King Holiday Celebration; and coordination of the calendar of events for the More Than A Month Series, a series of multicultural activities held during the spring semester.

Campus organizations and activities also address the interests and concerns of minority students. Winthrop's African American student association, The Association of Ebonites (AOE), provides cultural, educational and social programs designed to complement and encourage the diversity of campus-wide programming. Other social and service organizations include eight historically Black fraternities and sororities, the Ebonite Gospel Choir and the Roddey-McMillan Record. For additional information on Multicultural Student Life activities and programs, telephone 803/323-4508.

Performing Arts

Winthrop University is committed to helping students develop fully as well-rounded, educated persons. In an effort to provide a setting which facilitates intellectual and cultural growth, the University offers numerous opportunities to enhance students' appreciation of the arts. Whether through participation or attendance, students further develop their artistic talents, perceptions and understandings. The following are performing groups on the Winthrop campus:

Brass Ensembles	Jazz Voices
Chamber Ensembles	Opera Workshop
Chamber Singers	Percussion Ensemble
Chorale	Collegium Musicum
Symphonic Band	Flute Choir
The Bridge	Glee Club
Wind Ensemble	Guitar Ensembles
Jazz Combos	Jazz Ensemble
Winthrop Theatre	Woodwind Ensembles
Chamber Wind Ensemble	
New Stage Ensemble Theatre	
Rock Hill Chamber Orchestra	
Young@Heart Players	
Winthrop Dance Theatre	

Residence Life

Winthrop offers full-time students many types of living arrangements to meet individual needs and preferences. Seven campus residence halls and one apartment building offer comfortable, air-conditioned facilities ranging from traditional halls with community baths to deluxe suites and modern apartments. Three visitation options are offered in the residential facilities. Students must be enrolled for 9 semester hours to be eligible for campus housing. Students living in the residence halls are required to have a meal plan.

All residence halls are within walking distance of classes, Dacus Library, Thomson Cafeteria and Dinkins Student Center. Laundry and ironing facilities, study rooms, kitchens and eating areas are available in most residences. Linen service is not provided by the University. Rooms are furnished for double occupancy. However, if space is available, students may contract for private rooms at an additional cost.

The Courtyard at Winthrop offers private bedrooms in four or two-bedroom suites with a kitchen. The Courtyard is open 12 months a year and requires a separate lease. To request an application go to www.winthrop.edu/reslife/reshalls/courtyard.hhtml. Roddey Apartments are open 12 months and assignments are made with priority given to married, single family, international and graduate students.

All students assigned to campus housing must sign a contract relating to the terms and conditions of occupancy. It is important for students to read the contract before signing and to be thoroughly familiar with its terms. Violation of terms of the Housing Contract can result in immediate removal from living in the halls and subject the violator to further proceedings in accord with the Student Conduct Code. All students signing residence hall contracts must pay \$100 at the time the contract is signed. The \$100 will be credited toward the fall room rent. Graduate students interested in living on campus should contact the Department of Residence Life in the Dinkins Student Center for additional information.

Services for Students with Disabilities

The Coordinator for Students with Disabilities serves as a liaison between students with disabilities and the Winthrop community to ensure full access to programs and services. Because each student's needs are unique, accommodations are provided based on current, appropriate documentation of disability and needs. Students with disabilities are responsible for 1) identifying themselves to the Coordinator through an intake interview, 2) providing documentation, 3) seeking services each semester when needed and 4) using agreed upon academic accommodations. For further information about services for students with disabilities, call 803/323-3290 (V/TDD).

Intercollegiate Sports

The University offers a variety of intercollegiate sports for men and women. Winthrop is a Division I member of the NCAA and a charter member of the Big South Conference. Conference championships are played in both men's and women's sports programs. The Winthrop Eagles field teams in both men's and women's basketball, tennis, soccer, golf, indoor and outdoor track and cross country; men's baseball and women's volleyball and softball. Winthrop has excellent athletic facilities which are clustered in a beautiful lakeside setting.

Recreational Sports

Winthrop offers a spirited and competitive recreational sports program involving intramural and extramural sports, fitness activities, special events and aquatics. Over 30 activities are offered during the academic year ranging from step aerobics to 5-on-5 basketball leagues. Sports are set up in team and tournament formats. Activities are offered for male, female and co-ed participation. All currently enrolled students of Winthrop University are eligible to participate. For more information, please call 803/323-2140 or stop by the office located in 205 Peabody.

Recreational Facilities

Members of the Winthrop community have a wide variety of leisure and recreational facilities available to them. The Winthrop Coliseum, located within a mile of campus, is a modern arena seating more than 6000. In addition to its intercollegiate facilities, the Coliseum houses a weight room and a training room for athletes.

Behind the Coliseum lies Winthrop Lake and the University's 325-acre recreational complex, featuring baseball and softball fields, soccer fields, 12 lighted tennis courts, a cross country course and golf course. Adjacent to the lake is The Shack, traditionally a gathering spot for student activities.

The Outdoor Education Center, also known as the Ropes Course, is located here. Groups and organizations use this facility to develop team-building and leadership skills through a series of unique, problem-solving exercises.

Facilities on Winthrop's main campus include two basketball gyms, a dance studio, a weight room and an indoor swimming pool—all housed in Peabody Gymnasium. An additional gym is housed in the Withers Student Activity Center. Six lighted and four unlighted tennis courts and an all-purpose playing field are located adjacent to Peabody.

Victim Advocacy

Victim Advocacy Services will be provided to any Winthrop student who has been victimized by crime. These services include but are not limited to: providing immediate crisis intervention, informing victims of their rights, assisting victims throughout the investigation and prosecution of the crime and serving as a liaison for the student within the college community. The victim advocate services are available to any currently enrolled Winthrop student, whether the crime occurred on or off campus and whether the victim chooses to file an official report with Campus Police or Rock Hill Police Department. All communication with administrative offices is handled with the utmost discretion. For more information regarding this program, contact the Campus Police at 803/323-3333.

Wellness Program

The Wellness Program promotes healthy lifestyles through outreach and individual education on a variety of health and wellness issues. Presentations may be arranged on such topics as stress management, sexually transmitted infections, contraception, gender issues, sexual assault, eating disorders, alcohol/other drug abuse prevention and related topics. Individual wellness consultations to address personal concerns relating to these issues are also available. The Wellness Program is a component of Health and Counseling Services. Call 803/323-2233 for more information.

Graduate Admissions

Policy

Admission to graduate study at Winthrop University is open to applicants (1) who have earned a baccalaureate degree from a regionally accredited institution with an adequate cumulative grade-point average, and (2) who have achieved an adequate score on an appropriate standardized examination. Applicants to certain degree programs may be required to meet additional criteria, which are specified in the "Degree Requirements" chapter of the Catalog.

Winthrop University admits all qualified applicants and offers equal educational opportunities regardless of race, color, sex, age, national origin, religion or disability. Applicants are admitted on the basis of the probability of their success in completing the requirements for graduation.

Deadlines

Application deadlines for admission of United States citizens and residents are as follows:

July 15	Fall semester
December 1	Spring semester
May 15	Summer-June enrollment
June 15	Summer-July enrollment

Some programs have special application deadlines. In these cases, applicants are expected to submit the application as well as official transcripts, official test scores and other credentials by the special application deadlines indicated below:

School Psychology
February 15 **Fall admission**

CADE Dietetic Internship
August 15 **Spring admission**

Spanish
April 15 **Summer admission**
October 15 **Fall admission**
Spring admission

MFA
March 1 **Fall admission**
September 1 **Spring admission**

Counseling and Development
February 1 **Summer admission**

Educational Leadership
February 1 **Fall admission**

Arts Administration
February 15 **Fall admission**

Art Education, Studio Option
March 1 **Summer or Fall admission**
September 1 **Spring admission**

All applicants to degree programs are required to submit standardized test scores. These examinations should be completed at least 12 weeks before registration and arrangements made for official results to reach Graduate Studies four weeks prior to registration.

Applications for admission and supporting credentials for prospective international students must be received by April 15 or September 15 for registration in the fall or spring semester, respectively. Thus, international applicants living outside the United States should complete the required standardized tests at least three months prior to April 15 or September 15, as appropriate.

Application Fee and Time Period

All applicants for admission to graduate studies must submit a complete application with a \$50 non-refundable application fee.

Graduate Admissions

Applicants should submit all payments to Winthrop University in United States currency. Payment must accompany the application before it can be processed. The application and credentials are valid for a period of one year beyond the initial date desired for enrollment. Applicants who enroll within this time period pay the fee only once regardless of the number or date of future enrollments. Applicants who do not enroll within this time period and who subsequently desire to be admitted must reapply and repay the fee (non-refundable) and may be required to resubmit all supporting materials.

Disposition of Application Materials

Credentials or supporting materials submitted for admission to Graduate Studies become the property of the University and are not returned. Copies will not be provided to a third party outside the University even at the applicant's request. Copies may be provided to appropriate offices at the University in the interest of academic matters or financial awards relative to the applicant.

Mandatory Immunization Requirements

Students must demonstrate immunity to measles, rubella, diphtheria and tetanus and must have a TB test before registration for classes is allowed. Students taking classes off-campus or attending a class of two weeks or less are exempt from the immunization requirements.

Every Winthrop student must meet the health requirements of the University as stated in the Winthrop University Student Health Services bulletin. All medical information is confidential and does not affect a student's admission status.

All full-time and part-time students who wish to use the health services are required to submit the Student Health Service Medical Form to Health Services. This medical form consists of personal health data as well as a Physician's Statement of Health. This form should be filled out first by the student and then given to the

student's physician for completion. The completed form should be sent to Health Services, Winthrop University, Rock Hill, SC 29733.

Admission Requirements— Degree Seeking Applicants

- 1. Application:*** Each applicant must submit a completed application form with the appropriate non-refundable application fee to Graduate Studies, 209 Tillman Hall, Winthrop University, Rock Hill, SC 29733. Applications for admission must be received by the specified deadline.
- 2. Residency Form:*** All applicants who claim South Carolina residency for tuition and fee purposes are required to complete a residency form. Additional information may be requested if further clarification is needed.
- 3. Official Transcripts:*** Applicants must submit official transcript(s) (sent directly to Graduate Studies, Winthrop University from the issuing institution) for all institutions attended for undergraduate or graduate work. ***All applicants must have a baccalaureate degree from a regionally accredited institution.***
- 4. Standardized Test Scores:*** Each applicant must submit an official score on a standardized test (GMAT, GRE, MAT, PRAXIS, etc.), as appropriate to the discipline. An adequate score on an appropriate standardized test is required for admission to a graduate degree program. The appropriate test for each degree program is listed with the program description. (See "Degree Requirements" section.)
- 5. Preparation:*** Applicants should have demonstrated adequate academic preparation in their proposed area of study. Those with deficiencies in academic preparation may be required to take additional work to strengthen their backgrounds.

The individual colleges may have other requirements, such as letters of recommendation, additional test scores, experience, an audition or a personal interview and educational background beyond the bachelor's degree. Additional admission requirements for specific programs are listed in the "Degree Requirements" section.

6. **Approval for Admission:** Each applicant for admission to a degree program must have the approval of the college in which the student's area of specialization is located. Although most admission documents are submitted originally to Graduate Studies, all credentials are reviewed by the individual college, where the admission decision is

Admission Requirements— Non-Degree Applicants

1. **Application:** Each applicant must submit a completed application form, with the appropriate non-refundable application fee, to Graduate Studies, 209 Tillman Hall, Winthrop University, Rock Hill, SC 29733.
2. **Residency Form:** All applicants who claim South Carolina residency for tuition and fee purposes are required to complete a residency form. Additional information may be requested if further clarification is needed.
3. **Official Transcripts:** Applicants must submit official transcripts (sent directly to Graduate Studies, Winthrop University from the issuing institution) indicating completion of a baccalaureate degree from a regionally accredited institution, or a copy of a South Carolina Class III Teaching Certificate or its equivalent from another state.

Students may be admitted with GN (graduate non-degree) status if the stated undergraduate prerequisites do not exceed 12 hours. Students needing more than 12 hours of prerequisites should seek admission as an undergraduate special. Admission as a graduate non-degree student in no way guarantees subsequent admission into a graduate degree program. Students classified as graduate non-degree who later elect to pursue a degree program must

have their credentials evaluated for admission to the program.

GN students who are seeking admission to a graduate degree program may take no more than 12 semester hours of graduate credit at Winthrop prior to being fully admitted to a graduate degree program. Should the student subsequently be admitted to a degree program, a maximum of 12 semester hours of graduate non-degree credit may be applied toward the degree.

Courses taken while a student is classified as graduate non-degree may not be applied toward a degree program in the College of Business Administration. The College of Business Administration restricts this category to transient students enrolled in other graduate programs, to students holding graduate business degrees and to students taking courses to satisfy professional obligations such as teacher certification requirements.

Note: Students who are admitted as non-degree are not eligible for financial aid.

Admission Requirements— Transient Applicants

Graduate students at other regionally accredited institutions wishing to enroll in a graduate course at Winthrop for transfer back to their home institutions are assigned transient graduate non-degree (GN) status. These students are admitted if they are eligible to continue as graduate students in good standing in their home institutions and on the written approval of the graduate dean of those institutions.

1. **Application:** Transient applicants must submit a graduate transient application and the appropriate non-refundable application fee to Graduate Studies, Winthrop University, Rock Hill, SC 29733.
2. **Residency Form:** All applicants who claim South Carolina residency for tuition and fee purposes are required to complete a residency form. Additional information may be requested if further clarification is needed.

Graduate Admissions

- 3. The Statement of Authorization:** The statement of authorization from the applicant's home institution must be completed on the graduate transient application form.

Transient graduate students may enroll only in those courses for which they have received approval from the dean of the college at Winthrop offering the course(s). Students will be responsible for presenting documentation that course prerequisites have been met.

Transient graduate students will not be changed to regular status without meeting regular admission requirements through Graduate Studies.

Admission Requirements— International Applicants

- 1. Application:** All international graduate applicants must complete an application form and send it with the appropriate non-refundable application fee to Graduate Studies, 209 Tillman Hall, Winthrop University, Rock Hill, SC 29733, USA.

Applications for admission of prospective international applicants must be completed by April 15 or September 15 for registration in the fall or spring semester, respectively.

- 2. Official Transcripts:** Applicants must submit official transcripts (sent directly to Graduate Studies, Winthrop University from the issuing institution) of all undergraduate and graduate work in the applicant's native language and in English. If the degree completion statement does not appear on the transcript, an official statement verifying the completion of the degree is required in the native language and in English.
- 3. Test of English as a Foreign Language:** All international graduate applicants must present an official TOEFL score of at least 550 on the paper-based exam or 213 on the computer-based exam to Graduate Studies.

- 4. Standardized Test Scores:** Each applicant must submit an official score on a standardized test (GMAT, GRE, MAT, PRAXIS, etc.), as appropriate to the discipline. An adequate score on an appropriate standardized test is required for admission to a graduate degree program. The appropriate test for each degree program is listed with the program description. (See "Degree Requirements" section.)

- 5. Recommendations:** The international graduate applicant must submit three letters of recommendation to Graduate Studies from previous professors and/or employers.

- 6. Financial and Bank Statement:** A certified financial statement indicating the applicant's ability to pay for expenses incurred as a student and an original/official bank statement no more than six months old at the time of registration must be submitted to Graduate Studies. In certain cases, advance payment of tuition and fees may be required.

- 7. Health Insurance and Medical Form:** International applicants who are admitted to Winthrop University may purchase health insurance at extra cost. Information regarding purchasing insurance is available from Health Services and the International Center during the International Student Orientation. All international students are required to submit a medical form, with complete immunization records, to Health Services prior to registering for classes.

Admission Requirements— International Non-Degree Applicants

- 1. Application:** All international graduate applicants must complete an application form and a statement of purpose explaining the applicant's reasons for requesting non-degree admission. Send the application and statement of purpose along with the appropriate non-refundable application fee to Graduate Studies, 209 Tillman Hall, Winthrop University, Rock Hill, SC 29733, USA.

Applications for admission of prospective international applicants must be completed by April 15 or September 15 for registration in the fall or spring semester, respectively.

2. ***Official Transcripts:*** Applicants must submit official transcripts (sent directly to Graduate Studies Winthrop University from the issuing institution) of all undergraduate and graduate work in the applicant's native Language and in English. If the degree completion statement does not appear on the transcript, an official statement verifying the completion of the degree is required in the native language and in English.
3. ***Test of English as a Foreign Language:*** All international graduate applicants must present an official TOEFL score of at least 550 on the paper-based exam or 213 on the computer-based exam to Graduate Studies.
4. ***Recommendations:*** The international graduate applicant must submit three letters of recommendation to Graduate Studies from previous professors and/or employers.
5. ***Financial and Bank Statement:*** A certified financial statement indicating the applicant's ability to pay for expenses incurred as a student and an original/official bank statement no more than six months old at the time of registration must be submitted to Graduate Studies. In certain cases, advance payment of tuition and fees may be required.
6. ***Health Insurance and Medical Form:*** International applicants who are admitted to Winthrop University may purchase health insurance at extra cost. Information regarding purchasing insurance is available from Health Services and the International Center during the International Student Orientation. All international students are required to submit a medical form, with complete immunization records, to Health Services prior to registering for classes.

Students may be admitted with GN (graduate non-degree) status if the stated undergraduate prerequisites do not exceed 12 hours. Students needing more than 12 hours of prerequisites should seek admission as an undergraduate student. Admission as a graduate non-degree

student in no way guarantees subsequent admission into a graduate degree program.

Students classified as graduate non-degree, who later elect to pursue a degree program, must apply for admission to the program of their choice and have their credentials evaluated for admission to the program.

GN students who are seeking admission to a graduate degree program may take no more than 12 semester hours of graduate credit at Winthrop prior to being fully admitted to a graduate degree program. Should the student subsequently be admitted to a degree program, a maximum of 12 semester hours of graduate non-degree credit may be applied toward the degree.

Courses taken while a student is classified as graduate non-degree may not be applied toward a degree program in the College of Business Administration. The College of Business Administration restricts this category to transient students enrolled in other graduate programs, to students holding graduate business degrees and to students taking courses to satisfy professional obligations such as teacher certification requirements.

Graduate non-degree students may enroll only in those courses for which they have received approval from the dean of the college at Winthrop offering the course(s). Students will be responsible for presenting documentation that course prerequisites have been met.

Graduate non-degree students will not be changed to regular status without meeting regular admission requirements through Graduate Studies.

Note: International students who are admitted as non-degree are not eligible for financial aid, graduate assistantships or scholarships.

Notification of Admission

After a student's application and credentials are reviewed in the appropriate academic unit, Graduate Studies informs the applicant by letter of the admission decision. Students who are

Graduate Admissions

admitted provisionally will be informed of the conditions to be met and of the deadline for meeting them.

Students are admitted to graduate study as graduate degree students (G) or graduate non-degree students (GN). Students who are awarded G status are admitted without restrictions to the program for which they have made application. Students awarded GN status are not considered degree candidates and, therefore, are not admitted to any program.

Readmissions

Any Winthrop graduate student who has withdrawn from the University for any reason or who was not registered for courses the previous semester is required to apply for readmission through Graduate Studies. Official transcripts from all regionally accredited institutions attended during a student's absence from the University must be submitted when applying for readmission. Credentials of graduate students applying after an absence of 12 months or more are reviewed for readmission under the current catalog.

Students seeking readmission into the same graduate degree program after an absence of one to five years may be excused from the admission criteria in effect at the time of readmission if the academic unit deems such waiver appropriate. The student is, however, required to complete the graduation requirements in effect at the time of readmission.

Graduate students who have been absent for five calendar years or longer are subject to admission policies which apply to first-time applicants:

1. All admission credentials must be evaluated against current admission criteria;
2. Any special permissions, waivers, substitutions or other dispensations previously granted by Winthrop are void; and

3. All credit hours previously earned at Winthrop, including credit by examination, re-evaluated against current criteria.

Graduate Credit for Winthrop University Seniors

Winthrop seniors with an overall grade-point average at Winthrop of 3.0 or better may be permitted to take courses numbered 500-599 for graduate credit during their final semester of undergraduate work, provided the total course load (undergraduate and graduate) for that semester does not exceed 16 semester hours. The student may receive graduate credit for these courses only if the requirements for the baccalaureate degree are satisfactorily completed by the end of that same semester.

Senior accounting students in their final term may take one 600-level accounting class if the student meets the following conditions:

1. Admitted provisionally to graduate studies for the MBA Accounting Option;
2. Limited to one 600-level accounting course;
3. A 3.0 undergraduate grade-point average; and
4. Limited to maximum load of 16 semester hours.

Undergraduate students who wish to take courses for graduate credit must receive specific approval from the academic dean of the college in which they are majoring. Approval applications are available in Graduate Studies.

Senior Citizens

Citizens over 60 years of age may attend Winthrop on a tuition-free, space available basis. A \$10 registration fee is required, in addition to any lab fees and book purchases. Applicants must be legal residents of South Carolina. Applications for Graduate Admissions are available in Graduate Studies.

Fees

The 2003-2004 fees listed below are subject to change by action of the Winthrop Board of Trustees. The 2004-05 fees were not available at the time of publication.

Academic Fees (2003-2004)	Cost per Semester
Registration Fee (All students)	\$ 10

General Graduate Fees:

12 credit hours or more	
SC Residents	\$3203
Out-of-State Residents	\$5891
Programs resulting in State Licensure or Certification in Critical Need Areas (e.g. human nutrition, school psychology)	\$3203

11 credit hours or fewer (per credit hour)	
SC Residents	\$268
Out-of-State Residents	\$492
Out-of-State Residents enrolled in programs resulting in State Licensure or Certification in Critical Need Areas (e.g. human nutrition, school psychology)	\$385

Room and Board

Residence Hall (Lee Wicker, Phelps, Thomson)	
Cost per Semester:	
Double Occupancy	\$1435
Single Occupancy	\$2296

Residence Hall (Margaret Nance, Richardson and Wofford) Cost per Semester:	
Double Occupancy	\$1385
Single Occupancy	\$2216

The Courtyard	
4 bedroom 2 bath	\$2150
2 bedroom 1 bath	\$2445
2 bedroom 2 bath	\$2535

Rental Fees for Roddey Apartments:	
1 bedroom apartment (per month)	\$590
2 bedroom apartment (per month)	\$672

Meal Plan Cost per Semester:	
Unlimited with \$10 Cafe Cash	\$930
15 Meals per week - \$45 Cafe Cash	\$885
10 Meals per week - \$35 Cafe Cash	\$810
10 Meals per week - \$150 Cafe Cash	\$900

7 Meals per week - \$170 Cafe Cash	\$900
Cafe Cash Courtyard Only:	\$670
Cafe Cash Courtyard Only:	\$750

Tuition Policy for Out-of-State Graduate Students

Graduate students qualifying for any of the following exceptions shall pay the same fees as in-state graduate students by CHE action:

1. Graduate assistants;
2. Graduate students holding fellowships;
3. Graduate students with academic scholarships of \$250 per semester;
4. Graduate students participating in the Academic Common Market; or
5. Graduate students from the Member Counties in the Carolina Partnership for Economic Development.

*Effective July 1, 1999, Winthrop University was authorized by state law to offer graduate-level in-state tuition to residents of the member counties of the Carolinas Partnership for Economic Development, up to existing academic capacity. The South Carolina counties of York, Chester and Lancaster Counties have been joined in this partnership by the North Carolina counties of Mecklenburg, Gaston, Alexander, Anson, Cabarrus, Catawba, Cleveland, Iredell, Lincoln, Rowan, Stanly and Union. Potential enrollees who are residents of any of these counties should request further details about this policy from the Winthrop University Office of Graduate Studies, 800/411-7041 or 803/323-2204.

Miscellaneous Fees and Expenses

Application Fee. A non-refundable application fee of \$50 must accompany each new application to the University. The application fee must be paid in United States currency. The application for admission and the application fee will be valid for one calendar year from the applicant's original entry date. Should the student not matriculate during that year, a new application and new application fee will be required.

Fees

Advanced Room Payment. All students signing residence hall contracts must pay \$100 at the time the contract is signed. The \$100 is credited against fall room rent.

Commencement Costs. All students participating in the commencement exercises must wear appropriate academic regalia, which is available through The Bookworm. The charge for a disposable cap, gown and hood and for other commencement expenses is approximately \$55 for advanced degree candidates.

Laboratory Fees. A laboratory fee is charged for courses in which specialized equipment and consumable supplies are used. Refer to the "Courses of Study" section of this catalog to determine specific courses and charges.

Motor Vehicle Registration Fee. Motor vehicles operated or parked on Winthrop University property must be registered. Resident students may register one vehicle at \$50. Commuting students may register two vehicles at \$50 each. Only vehicles registered to students and bearing the designated decal will be admitted to free parking at the Winthrop Coliseum for regular season basketball games.

Textbooks and Materials Cost. The cost of textbooks and materials is not included in the regularly assessed fees and varies with the requirements of specific courses. Textbooks and materials are available on a cash basis from The Bookworm, Winthrop University's bookstore.

Thesis Binding Fee. A binding fee of \$15 (cost subject to change) per thesis copy must be paid to the Cashier's Office and the receipt submitted to Graduate Studies at the time the thesis is submitted.

Fee Payment Schedule

Fee payments are due by 5 p.m. in the Cashier's Office, 22 Tillman Hall, on or before the dates specified in the Winthrop University Schedule of Courses and supplements issued prior to each registration. All checks and money orders should be made payable to Winthrop University and may be mailed to the Cashier's Office, Winthrop University, Rock Hill, South Carolina 29733. Please include legal name of

student and identification number on all correspondence.

Monthly Payment Plan

Students may pay academic, room and board fees through the Winthrop Monthly Payment Plan (WPP). The features of WPP are as follows:

1. Only academic, room and board fees are deferrable—any previous balance and all miscellaneous charges such as telephone charges, library fines, etc., are payable in full each month. The WPP is not offered during the Summer Term.
2. New students are automatically eligible to participate. Returning students will be eligible as long as they have a satisfactory credit history with Winthrop.
3. An application for participating in the WPP will be enclosed in each semester's billing for academic, room and board fees. Students must complete the application and return it with the required payment by the fee payment deadline.
4. Four equal payments per semester are due on or about the 1st of each month (September, October and November for the Fall semester and February, March and April for the Spring semester).
5. Failure to make monthly payments as agreed will result in the student's ineligibility for participation in WPP in future semesters.
6. There is an administrative fee each semester for participating in the WPP. The student must sign up for WPP for each semester desired.
7. A late fee will be assessed each month in which the payment is not received by the due date.

Please direct WPP questions to the Controller's Office in 19 Tillman Hall or telephone 803/323-2165.

Past Due Indebtedness

Students are expected to keep their University accounts current. Students with past due accounts are not allowed to obtain transcripts, grade reports or diplomas, or to enroll for additional coursework. The University reserves the right to cancel enrollment of a student with a past due account. The enrollment cancellation does not relieve the student of the incurred debt.

Under the provisions of Sections 12-54-410 through 12-54-500 and 12-53-20 of the South Carolina Code of Laws, the South Carolina Department of Revenue is authorized to garnish wages from debtors and/or seize tax refunds otherwise due to taxpayers who have delinquent debts with Winthrop.

If an account becomes delinquent, the University reserves the right to assign the account to a collection agency, and the student will be responsible for all associated collection costs.

Returned Check Policy

A personal check given in payment of University expenses, which is subsequently returned by the bank unpaid, immediately creates an indebtedness to the University.

Once the Cashier's Office has been notified by the bank of a returned check, a letter is sent to the issuer of the check. The issuer of the check will have ten (10) days from the date of this letter to redeem the check by paying the full amount of the check, plus a returned check penalty equal to the maximum amount permitted by law (SC Code of Laws, section 34-11-70). Payment of a dishonored check must be made by cash, cashier's check, money order, or Visa, MasterCard or Discover credit cards.

If a returned check remains unpaid, collections efforts will be followed as allowed by the Code of Laws of South Carolina section 34-11-70.

A student with a total of three returned checks will be placed on the "Cash Only" basis for the remainder of his/her enrollment.

Fee Adjustments for Withdrawals

Students admitted and registered for courses at Winthrop University are financially and academically responsible for fees and charges associated with those courses. When a student withdraws from one or more courses, a refund may be due or a repayment owed in accordance with institutional guidelines.

Students receiving Title IV Federal Funds, which have been applied against their charges, may also be subject to the Federal Refund/Repayment Guidelines: Section 668.123.

Academic Fee Adjustments. For all students, except students enrolled for the first time at Winthrop, and receiving Title IV Federal Funds, academic fees will be prorated on the basis of the following schedule:

<i>Official Withdrawal Date</i>	<i>Percentage of Academic Fee Adjustment</i>
Before end of 1st week of classes	100 %
Before end of 2nd week of classes	75 %
Before end of 3rd week of classes	50 %
Before end of 4th week of classes	25 %

*Because classes begin on Wednesday, the week for adjustments and withdrawals begins on Wednesday and ends on Tuesday.

Laboratory Fees are non-refundable.

Housing and Meal Adjustments. Housing fees are prorated on a daily basis through the seventh week of each semester. Meal fee refunds are prorated on a daily basis throughout each semester. Be sure to read the residence hall contract regarding contract cancellation policies.

Processing Fee Adjustments. Adjustments due are computed from the date of official withdrawal from the University, official reduction of course load, official withdrawal from courses or official withdrawal from housing. No refund due is guaranteed within 14 days after date of official withdrawal from the University. No refund due is guaranteed to continuing students until 14 days after the first day of classes each term.

Financial Assistance

At Winthrop University, we believe higher education should not be a privilege reserved only for those who can afford it. The Office of Financial Aid is committed to helping Winthrop students find appropriate ways to finance their education.

Fully admitted, degree-seeking applicants may be considered for a Graduate Assistantship, Graduate Incentive Scholars Award, Winthrop Graduate Scholarship or the Yu and Pai-Chih Memorial Scholarship.

Applicants for graduate assistantships should demonstrate skills and/or experience in the area of expertise for which they will have responsibility. Applicants for Graduate Incentive Scholars Awards and Winthrop Graduate Scholarships should demonstrate ability or promise of academic excellence. Need of financial assistance may be considered for Winthrop Graduate Scholarships and the Yu and Pai-Chih Beh Scholarship. Non-degree students are ineligible to receive financial awards.

Nominations from the academic units for Graduate Incentive Scholars and Beh Scholarships are forwarded to the Graduate Scholarship Committee. This committee, made up of the graduate directors from the Colleges of Arts and Sciences, Business, Education and Visual and Performing Arts review and endorse candidates for these financial awards. Graduate Assistantships and Winthrop Graduate Scholarships are determined by each academic unit.

Students interested in applying for financial awards should submit the Application for Financial Awards to the graduate director of each academic unit by February 15. The graduate director for each academic unit will coordinate the review process for financial awards and submit nominations to the Graduate Scholarship Committee for final review and endorsement. The committee will submit the name of the award recipients to the Graduate Studies Office. Award letters will be issued by Graduate Studies in conjunction with the Office of Financial Aid.

The Graduate Directors will forward the Application of Graduate Assistantships and Winthrop Graduate Scholarships to the appropriate departments for consideration. Nominations for those awards will be submitted by the academic departments to the Graduate Studies Office.

Graduate Assistantships

Academic Graduate Assistantships are available in many of the departments and colleges offering graduate work. Application forms may be obtained from Graduate Studies, 209 Tillman Hall. The completed applications are submitted directly to the Graduate Director in the student's college and to any other department in which the applicant wishes to apply.

Graduate assistantships require 20 hours per week of service (300 hours each semester) and carry a fee waiver for each semester in which the assistantship is held. The assistant should earn a minimum of \$1500 during the fall or spring semester. Graduate assistantships are generally unavailable during the summer terms. Graduate students holding assistantships during the summer term are expected to work 200 hours, enroll for a minimum of 6 credit hours and earn at least \$1000 in order to receive the tuition waiver.

A limited number of non-academic graduate assistantships may be available in several areas. Students interested in working in these areas should contact Graduate Studies or visit the Assistantship web site at: www.winthrop.edu/graduate-studies/assistantships.

Graduate assistantships are awarded to students who are fully admitted, without provisions, to graduate degree programs. To retain a graduate assistantship, the student must maintain academic eligibility and may not be on academic probation. Non-degree students may not hold graduate assistantships. Graduate assistants should not begin working until the Graduate Assistant Employment and Wage

Agreement Form has been approved by the Office of Human Resources and Affirmative Action. Students enrolled for student teaching are ineligible to serve as a graduate assistant that semester. For most graduate assistantship positions, the tuition waiver will cover tuition charges for a maximum of 9 semester hours of course work within the program of study—either required or elective hours. Additional tuition charges beyond the 9-hour load, lab fees and other charges must be paid by the student.

Recipients must carry a full-time load (9 to 12 hours). Graduate students seeking to take more than 12 hours must have the permission of the academic dean. The only exception to the minimum course load is when the student needs a smaller number of hours to complete the degree program. Enrollment in GSTC 600 is unacceptable. The recipient must be registered for a full-time course load prior to signing the Graduate Assistant Employment and Wage Agreement form. Students may hold only one assistantship and must not be additionally employed on campus.

Graduate Associateships

The Division of Student Life offers Graduate Associateships to graduate degree-seeking students who demonstrate abilities appropriate to the work positions. Remuneration is typically a \$1500 stipend and a 9 credit hour tuition waiver. The associateships require 20 hours of service per week. (There are some limited variations in Residence Life with the graduate associate holding the title of Residence Director.)

Position availability varies by academic year and budget allocations. Graduate associateships are typically in the following departments within the Division: Office of Financial Aid, Residence Life, Career Services, Student Affairs, and Counseling and Health Services. Position descriptions vary by department. Position descriptions and contact information are available on line at <http://www.winthrop.edu/studentlife/ga/>.

Graduate Scholarships

Yu and Pai-Chih Beh Memorial Endowed Scholarship. Established in 1992 by the Beh family, this is a Permanent Endowment Fund created to honor Professor Yu Beh and Mrs. Pai-Chih Beh of China, parents of Catherine Beh Cheng (Winthrop class of '59) and grandparents of Joyce Wang Mu (Winthrop class of '85). The purpose of this scholarship is to encourage one or more graduate students from China to come to the United States and study at Winthrop University. Letters of application should be submitted to Graduate Studies by February 15.

Annette Wells Shelley Scholarship. Established by Annette Wells Shelley, alumna, for a student seeking a graduate degree in the College of Education. Financial need is a criterion. Applications should be made to the Director of Graduate Studies in the College of Education.

Winthrop Graduate Scholarships. The recipients are selected on the basis of ability and future promise. Recipients must be fully admitted into a degree program at Winthrop and enrolled. Students must be enrolled in a degree program during the semester or semesters for which the award is given. (Future graduate students must have applied for admission to a graduate program in order for their applications to be considered.) These scholarships represent an outright gift from the Winthrop Foundation and do not require any work responsibilities on the part of the student. Applications for these scholarships may be secured from Graduate Studies, 209 Tillman Hall. Awards are made beginning February 15. A recipient of the scholarship is permitted to hold both a Winthrop Graduate Scholarship and some other major form of aid, such as a graduate assistantship.

Graduate Incentive Scholars Program. Members of a minority race who enroll in graduate programs at Winthrop may be eligible for fellowships under the Graduate Incentive Scholars Program, as provided in the State

Financial Assistance

Access and Equity Program. Applicants must be US citizens, bona fide residents of South Carolina, members of a minority race, and fully-admitted, full-time students at Winthrop. Interested students should contact Graduate Studies, 209 Tillman Hall, 803/323-2204 or 800/411-7041.

Mary Roland Griffin Scholarship. Established in 1994 by alumnae and friends for a student enrolled in the MS program in physical education. This is a permanent endowment fund created to honor Dr. Mary Roland Griffin, Winthrop class of '50 alumnae and Professor Emeritus. Applications should be submitted to the chair, Department of Health and Physical Education.

Frank Bryan Tutwiler Scholarship. The purpose of the fund is to provide scholarships for graduate students pursuing a Master of Arts in Teaching. The students must meet the following criteria: a) undergraduate degree in one of the sciences to include biology, chemistry, physics and geology from a regionally accredited college or university, b) complete undergraduate studies with a minimum of 3.0 grade point average and c) show evidence of potential as a successful science teacher. All criteria has to be met. Recipient selection and the number of recipients will be determined under the auspices of the Director of Graduate Studies, Richard W. Riley College of Education.

Need-based Financial Assistance

Students who wish to apply for federal student loans should submit a completed Free Application for Federal Student Aid (FAFSA) to the Federal Student Aid Program and list Winthrop University (code number 003456) as a recipient. FAFSA forms are available in early December from the Office of Financial Aid at Winthrop. FAFSA's may be completed on-line at www.fafsa.ed.gov. Students who wish to receive aid for fall semester should submit the FAFSA by May 1. (September 1 for spring semester applicants and March 1 for summer session applicants.) All awards of need-based financial aid are made annually; and students must reapply each academic year in order to be considered for assistance. The Office of Financial Aid is located in 119 Tillman Hall,

803/323-2189. Students interested in applying for a South Carolina Teacher's Loan should contact the Office of Financial Aid directly.

Note: Students who are admitted as non-degree students are ineligible to receive financial aid.

Other Sources of Financial Assistance

The South Carolina Association of Family and Consumer Sciences Loan Fund. Application information is available in the office of the Dean of the College of Education.

The Career Services Office. The Career Services Office, 638 Oakland Avenue, coordinates the Cooperative Education program, a program available to graduate students combining traditional academic study with paid career-related work experience. Students may also contact the co-op director or the graduate director in their college for further information on the Cooperative Education program.

Student Employment Office. On-campus hourly employment may be available in some departments. Interested students should contact the Office of Human Resources and Affirmative Action, 303 Tillman, 803/323-2273.

Veterans Benefits. Winthrop is approved by the State Approving Section, South Carolina State Department of Education, for training of eligible veterans, disabled veterans and children of deceased or disabled veterans. Contact the Veterans Administration Regional Office, 1801 Assembly Street, Columbia, SC 29201 for information and necessary forms. The veteran or other eligible person should contact Winthrop's Veterans Coordinator at least 45 days before the beginning of the semester in which the student plans to enter the University.

Children of disabled or deceased veterans may receive additional assistance in payment of tuition and fees. For information regarding eligibility and applications, contact the State Approving Section, South Carolina State Department of Education, Rutledge Office Building, Columbia, South Carolina 29201. To receive veteran's benefits, veterans and other eligible persons must read and sign a "Veterans

Compliance Agreement" (available from Winthrop's Veterans Coordinator), indicating understanding of the agreement and willingness to comply with the procedures and regulations. The regulations require the Veterans Coordinator be informed immediately of the number of semester hours in which the student is enrolled each term, changes in enrollment and changes in the chosen degree program. For more information contact the Veterans Coordinator, Records Office, 101 Tillman, 803/323-3691.

Academic Regulations

Student Responsibility

Students are required to know and observe all regulations concerning campus life and student conduct. An outline of obligations is contained in the Student Conduct Code in the Student Handbook. Students are responsible for maintaining communication at all times with the University by keeping on file with the Office of Records and Registration a current address, including zip code and telephone number.

Advisement

Academic advisement at Winthrop is viewed by both faculty and students as an integral part of the learning process. The primary role of the academic advisor is to assist the student in planning a course of study which leads to the desired degree.

A graduate student who has been newly admitted to a degree program in a particular discipline is assigned an advisor in the college offering that degree. Generally, the advisor assignment is not changed unless the student changes degree programs. Prior to registration for each term, the student is required to contact the academic advisor to receive an appropriate registration form and to obtain assistance in planning the particular courses to be taken.

Directors of Graduate Studies

Each college maintains an office in which advising assistance is available when the assigned faculty advisor is not immediately available. Students may contact the director of graduate studies in their college. The graduate directors may offer assistance in deciding on a major, verifying advisor assignments and other academic advising and administrative matters. General advice is also available in Graduate Studies, 209 Tillman, 803/323-2204 or 800/411-7041.

Classification of Students

Graduate Degree Student. This classification status, also referred to as "graduate" (G), is awarded to fully qualified students accepted for graduate study leading toward an advanced degree.

For a master's degree, the student's undergraduate record must demonstrate adequate preparation in the chosen program at regionally accredited institutions and scholarship potential as measured by undergraduate grades, scores on standardized tests and other relevant criteria.

For a specialist's degree, the student's graduate and undergraduate record must demonstrate adequate preparation in the chosen program at regionally accredited institutions, and the overall master's grade-point average must be at least 3.0 on a 4.0 scale.

Standardized test scores (GMAT, GRE, MAT, PRAXIS, etc., as appropriate to the discipline) are required for admission to all graduate programs.

Consult the program listing in the "Degree Requirements" section for additional admission requirements for specific programs. Further information is available from the graduate directors in the individual colleges.

Students who qualify for graduate (G) status are expected to submit official transcripts, as well as all other documents required for admission to a particular program, at the time of application for admission or immediately thereafter.

Graduate Non-Degree Student. This classification status is assigned to students who are not in a degree program at Winthrop University but who wish to fulfill professional obligations or to pursue personal goals. Students admitted to graduate non-degree (GN) status might be transients, those who seek to satisfy certification requirements, or might be

individuals who have extensive entrance requirement deficiencies for the degree program for which they have applied. Students admitted to graduate non-degree status must meet the general requirements for admission to graduate studies at Winthrop University, which include having received a baccalaureate degree from a regionally accredited institution.

Courses taken while a student is classified as graduate non-degree may not be applied toward a degree program in the College of Business Administration. The College of Business Administration restricts this category to transient students enrolled in other graduate programs, to students holding graduate business degrees and to students taking courses to satisfy professional obligations such as teacher certification requirements.

Students may be admitted with GN status if the stated undergraduate prerequisites do not exceed 12 hours. Students needing more than 12 hours of prerequisites should seek admission as an undergraduate special. Admission as a graduate non-degree student in no way guarantees subsequent admission into a graduate degree program. Students classified as GN who later elect to pursue a degree program must have their credentials evaluated for admission to the program they wish to pursue.

GN students who are seeking admission to a graduate degree program may take no more than 12 semester hours of graduate credit at Winthrop prior to being fully admitted to a graduate degree program. Should the student subsequently be admitted to a degree program, a maximum of 12 semester hours of graduate non-degree credit may be applied toward the degree. Students enrolled in graduate non-degree status are subject to the same academic eligibility policy as graduate degree-seeking students.

NOTE: Students who are admitted non-degree are not eligible for financial aid.

Registration

Registration takes place on designated days prior to the beginning of each semester. In the summer session, registration for each of the summer terms occurs over an extended period and ends on the first day of classes for each individual term. Students are encouraged to register early each semester. Consultation with an advisor prior to registration is required for all degree-seeking students.

In addition, the mandatory immunization requirements must be met prior to registration. Please refer to the Mandatory Immunization Requirements form in the Application Packet for complete information.

Registration is incomplete until all fees have been paid. For specific registration information, consult the Schedule of Courses for the current semester. A Schedule of Courses may be obtained from Graduate Studies, 209 Tillman Hall, 803/323-2204 or 800/411-7041.

Student Identification Cards

Winthrop student identification cards are issued by the I.D. Card Services Office in Tillman Room 15 upon a student's initial enrollment. The first ID card is free; replacement ID cards are \$10 each. All students are required to have an identification card. ID cards are non-transferable and must be presented to appropriate university officials upon request. The ID Card Services office hours are from 8:00 a.m. until 8:00 p.m. For specific questions concerning ID cards, contact the I.D. Card Services Office, 803/323-4774.

Graduate Audit Policy

Graduate students may audit a course, on a space available basis, with the permission of the instructor of the course and the graduate director of the academic unit in which the course is offered. The graduate director will consult with other faculty as necessary. An auditor is not required to participate in any examinations or graded course assignments. Participation in

Academic Regulations

class activities and the class attendance policy is at the discretion of the instructor.

A student may not register for a course on an audit basis until the week classes begin. The last day of registration for the semester is the last day a student may elect to audit a course.

Course Load

Regular Semester. A graduate student who is enrolled in 9 or more semester hours of graduate work in a regular semester is classified as full-time; a normal course load is 9 to 12 semester hours of graduate work. A graduate student may register for more than 12 semester hours of graduate course work in a regular semester only with the approval of the academic dean. An overload form may be obtained from Graduate Studies. The recommended maximum course load for a student holding a full graduate assistantship is 9 semester hours of graduate work per semester.

Summer Session. A graduate student may enroll for one graduate-level course in Maymester (a short term held in May prior to the regular summer session). In a 5- or 6-week term (or the two terms concurrently) a graduate student may enroll for 7 semester hours of graduate work. During the 10-week term, a graduate student may enroll for 12 semester hours. Exceptions to the above loads must be approved by the student's dean. An overload form may be obtained from Graduate Studies.

Changes in Enrollment

Changes in enrollment or class schedule must be made before the end of the designated registration change period. Such changes include dropping or adding courses, changing sections, electing undergraduate credit for 500-level courses and, where permissible, changing number of credits to be earned in a course. Any change in enrollment must be submitted, with all required signatures, to the Registration Office on a Change of Schedule form prior to the end of the registration change period.

Withdrawal from Courses

Students are expected to follow the courses of study selected at the beginning of the semester or summer term. There may be instances, however, when the student wishes to withdraw from a course. The decision to withdraw from a course is the student's alone, but consultation with the advisor or academic dean and with the instructor is encouraged when such action is contemplated.

Forms for withdrawing from courses after the close of the registration change period are available in the Registration Office, 102 Tillman. Withdrawal from a course is not permitted during the last week of the course. If withdrawal is completed during the first one-third of a particular course, the grade of N is assigned, indicating no credit is awarded.

If withdrawal is completed for a course taken on a **letter grade basis** during the final two-thirds of the course, but before the last week of the course, the grade of N is assigned if the student is passing the course at the time of withdrawal; otherwise, the grade of F is assigned.

If withdrawal is completed for a course taken on a **satisfactory/unsatisfactory basis** during the final two-thirds of the course, but before the last week of the course, the grade of N is assigned if the level of achievement at the time of withdrawal is equivalent to an S; otherwise, the grade of U is assigned.

Course withdrawal is considered complete on the date of official withdrawal in the Registration Office, 102 Tillman. It is the instructor's responsibility to assign a grade for a course from which a student has withdrawn.

Withdrawal from Winthrop

Students who find it necessary to discontinue their college work during a semester or summer session must officially withdraw from the University. Students may initiate the withdrawal process in person in the Registration Office, 102 Tillman. Students may also initiate the

withdrawal process by a letter or telephone call to their academic dean. No student may withdraw during the last week of the semester.

A student who withdraws during the first one-third of the semester receives the grade of N in all courses. If the withdrawal occurs in the second two-thirds of the semester, the student receives a grade of F, U, or N, as the individual instructor deems appropriate. The only exception occurs in cases of medical withdrawal. A medical withdrawal is allowed if severe medical problems prevent the student from continuing enrollment in Winthrop. Medical withdrawals require documentation of the medical condition and the approval of the appropriate academic dean. In these cases, a grade of N will be recorded by the instructor.

Failure to officially withdraw may seriously affect a student's eligibility for future readmission or for transfer to another institution.

Repeating Courses

A graduate student will be allowed to repeat a maximum of two courses in which the student has been assigned a grade of C or F. A given course may be repeated once. Whenever a course is repeated, no additional hours attempted accrue, and the new grade replaces the previous grade in computing the grade-point average. However, the record of the first attempt will remain a part of the student's permanent record.

Certain courses at Winthrop University may be taken more than one time for additional academic credit, for example, special topic classes in which the course number remains the same but the course title differs. A list of these courses may be obtained from the appropriate program director. If registering for a course for additional credit, the student should contact the Office of Records and Registration for specific instructions.

Final Examinations

The times and places of final examinations are officially scheduled by the Registrar. Both the student and the instructor will be notified of a legitimate exam conflict if one or more of the following occurs: the student has more than one exam per period, more than two examinations scheduled per day or more than three examinations scheduled in any four consecutive examination periods. Personal conflicts such as travel plans and work schedules do not warrant a change in examination times.

The form of the final examination is determined by the instructor. The length, however, may not exceed two and one-half hours.

In 600-level courses, the class meets during examination week. However, it is left to the discretion of the instructor as to whether the two and one-half hour examination period is spent in an examination or in other class activities considered more useful. In 500-level courses, graduate students, at the discretion of the instructor, follow the same procedures as undergraduate students with regard to final examinations.

Class Attendance Policies

Although instructors keep accurate records of attendance for administrative purposes, students' grades are based on their academic performance, not on attendance. Students should understand they are responsible for the academic consequences of absence.

Instructors of courses are obligated to provide make-up opportunities only for students who are absent with adequate cause. The instructor will be responsible for judging the adequacy of cause for absence.

Hazardous Weather Conditions

It is the practice of Winthrop University to carry out its primary responsibility of providing instruction for students during regularly scheduled hours, except in cases when extreme weather conditions make roads unsafe for travel. While Winthrop feels a responsibility to meet scheduled classes and maintain office support for those classes whenever possible, the University places the highest priority on the safety of its students, faculty and staff.

If scheduled classes and activities of the University have been changed due to unsafe road and traveling conditions, the University notifies local media outlets in areas where Winthrop students and employees live. The campus Alert Line (323-2222) provides immediate notices of any changes in scheduled classes. Students should use the local media and discretion in judging the safety of traveling to the University during periods of inclement weather.

Grade Reports

At the end of each semester and summer term, students may access their final grades via Wingspan at <http://wingspan.winthrop.edu/a/homepage.htm>. Copies of grades may be printed from the Internet or be obtained from the Registration Office. All errors found on a grade report must be reported to the Registration Office. ***If no error is reported within 30 days of issuance***, it is assumed the report is correct and each entry becomes a part of the student's permanent record.

Privacy of Educational Records

Winthrop University policy regarding access to student records (such as grades, grade-point averages, and class rank) is governed by the Family Educational Rights and Privacy Act of 1974 as amended, commonly known as FERPA or "The Buckley Amendment." Under this law, students have the right to inspect and challenge the accuracy of information contained in their Winthrop educational record.

Also, these regulations restrict Winthrop to the release of certain records only to the student (current or former) and to certain other authorized school and government personnel, except with the student's prior written consent to release the records to another specified person. Without this consent, Winthrop cannot release a student's records even to parents, spouses, or family members except in one instance. Parents or guardians of a student may be given access to certain of the student's records if the parents or guardians sign a statement in the Records Office and provide proof that they have claimed the student as a dependent on their last federal income tax return.

The Family Educational Rights and Privacy Act does allow the University to release the following information (not considered private records) unless the student requests this information be withheld: student's name, address, telephone number, email address, date and place of birth, enrollment status (full- or part-time), dates of attendance, date of graduation, major field of study, degrees and awards received, most recent previous educational institution attended, eligibility for honor societies, participation in officially recognized activities and sports, weight and height of members of athletic teams and other similar information. ***A student who does not want this information released must make a written request to the Registrar by the close of the registration period for the semester or term in which the student is enrolled.***

As a matter of practice, Winthrop does not sell or give away lists which are in unpublished or computerized form to any outside agency, individual or business. Questions concerning Winthrop's policy for release of academic information should be directed to the Office of the Registrar, 102 Tillman Hall.

Transcripts

A permanent record of each student's courses, credits and grades earned is maintained in the Records Office. Transcripts are provided at no charge upon written request from the student to the Office of Records and Registration, 102

Tillman Hall. Courses are posted to the transcript at the close of each semester or summer session. Transcripts are withheld from those students and former students who have unpaid accounts with the University.

Grading System

Grades for courses taken for graduate credit are recorded as follows:

- A Excellent (4 quality points per semester hour)
- B Satisfactory (3 quality points per semester hour)
- C Passing (2 quality points per semester hour)
- F Failure
- N No Grade
- AU Audit
- S* Satisfactory: S indicates satisfactory achievement (equivalent to B or above) on a course taken on a satisfactory/unsatisfactory basis.
- U* Unsatisfactory: U indicates unsatisfactory achievement (equivalent to C or below) on a course taken on a satisfactory/unsatisfactory basis.
- I Incomplete: I must be used only as a prefix to a grade. Assigning an incomplete to a student in a course taken for graduate credit indicates that, for a valid reason, the course has not been completed and that the instructor reserves the right to raise the grade if the incomplete work is finalized within one year or by an earlier date specified by the instructor. The grade to which I is prefixed is not used in computing the student's grade-point average until the prefix is removed and indicates the grade earned if no further work is performed. It is the grade in the course unless and until changed by the instructor.

**S/U is awarded only in those courses so designated.*

Quality Points and Grade-Point Average

To remain a student in good standing, the student must maintain a certain standard of excellence. This standard is fixed by the quality-point system. The grade received on a course determines the number of quality points earned per semester hour. Total quality points for a course are calculated by multiplying hours earned by the point value for the grade earned.

The **semester grade-point average** (GPA) is calculated by dividing quality points earned that semester by hours taken on a letter-grade basis during that semester (including repeated courses).

The **cumulative grade-point average** (GPA) is calculated by dividing total quality points by net hours. Net hours are all hours of credit taken at Winthrop on a letter-grade basis with repeated courses counting only once. The highest grade earned on a repeated course determines the number of quality points earned on that course. Credits earned by examinations, credits transferred from other institutions and credits for courses taken on a satisfactory/unsatisfactory basis are not used in computing a student's cumulative grade-point average. The cumulative grade-point average is used in determining a graduate student's academic status.

Academic Probation and Academic Ineligibility

Once students have been admitted with graduate degree status (G) or with graduate non-degree status (GN), they are expected to maintain a 3.0 cumulative grade-point average. Students whose cumulative grade-point averages fall below 3.0 are placed on academic probation. A graduate student will be allowed to repeat a maximum of two courses in which the student has been assigned a grade of C or F. A given course may be repeated once.

Academic Regulations

Graduate students placed on academic probation are required to restore their overall grade-point average to 3.0 within 9 additional gross semester hours of graduate work, including repeated and dropped courses.* Failure to do so will result in dismissal from graduate study.

Grade-point averages calculated for removal of probationary status are based on all graduate courses taken at Winthrop University, not on selected courses. All course work used to restore the grade-point average to 3.0 must be completed at Winthrop. Credit earned at any other institution while the student is on academic probation or is ineligible to enroll at Winthrop cannot be applied to any degree at Winthrop University.

**Because of the lock-step structure of the Executive MBA program, graduate students in this program must restore their overall grade-point average to 3.0 within two additional semesters of graduate work. An EMBA student must achieve a minimum of 2.5 grade-point average for the 12 hours of the first semester (BADM 671, EMBA Module 1) in order to continue in the program. Students will be allowed to enroll in the third semester of the program (BADM 673, EMBA Module 3) only with completion of BADM 671, EMBA Module 1, and BADM 672, EMBA Module 2, with a grade-point average of at least 2.75.*

Recourse for Academically Ineligible Students

Students who have been dismissed because of academic ineligibility may reapply for graduate admission. The following policies apply to graduate non-degree and graduate degree students applying to the same or a new graduate program. Students wishing to be readmitted following a dismissal must wait at least one year before applying. (One year is defined as two semesters or one semester and one summer session.) During this period, they are ineligible for admission to any program at Winthrop University.

When students reapply following dismissal, they are responsible for assembling all

credentials required for readmission by the appropriate academic unit. Students' credentials are evaluated and the admission decision is made by the academic unit. These credentials must include a transcript of all work at Winthrop University prior to the dismissal. No course with a grade below B from students' previous work (prior to dismissal) may be applied for readmission credit. If a student who previously received course grades below B is readmitted, the student may repeat these courses regardless of prior repetitions. However, a grade below B after readmission in any course will result in immediate dismissal.

General Appeal Procedure

Any graduate student may appeal for variations in college-wide graduate policies and regulations by submitting a petition, written by the student, to the Graduate Petitions Committee. The student should petition only after all remedies have been exhausted in the appropriate college.

Petitions must be typed in the recommended format and signed by the student. A signed statement or reaction from the student's advisor, department chair and dean or graduate director must be attached to the petition. Petitioners are encouraged to attach a letter of recommendation from their advisor; however, letters of recommendation are optional. The student should contact Graduate Studies for complete instructions. Graduate Studies forwards the petition, along with the letters of recommendation, any supporting documents and a copy of the student's Winthrop record, to the Graduate Petitions Committee and notifies the student, advisor and dean of the decision reached by the Committee.

Petitions must be received in Graduate Studies at least two weeks before a Committee meeting in order to be considered at that meeting. Meeting dates of the Graduate Petitions Committee are available in Graduate Studies. Special meetings of the Graduate Petitions Committee may be called only in response to unexpected changes in a student's academic standing that will affect an upcoming registration or graduation.

Grade Appeals

A student wishing to protest a course grade must first try to resolve the problem with the faculty member. If no satisfactory solution is reached, either the student, the faculty member, or both may call the case to the attention of the appropriate chairperson, division administrator, or appropriate dean. If not resolved, the dean then refers the case to the Committee on Academic Conduct for hearing within ten school days. Referrals to the Committee on Academic Conduct should be made within a two-week period following the discovery of the alleged infraction and are not accepted after that period except on majority vote of the Committee. In all cases, the burden of proof rests on the accuser.

Teacher Certification Requirements

Requirements for teacher certification set by the South Carolina State Department of Education or other agencies may or may not be the same as degree requirements shown in this catalog. Students desiring certification should consult with the appropriate agency early in their programs to determine any certification requirements above and beyond degree requirements. Questions concerning certification should be addressed to Student Academic Services, College of Education, 144 Withers/W.T.S.

Student Conduct Code: General Conduct Policy

Academic institutions exist for the transmission of knowledge, the pursuit of truth, the development of students and the general well-being of society. Free inquiry and free expression are indispensable to the attainment of these goals. As members of the academic community, students should be encouraged to develop the capacity for critical judgment and to engage in a sustained and independent search for truth.

Freedom of the individual may be defined as the right to act or speak, as long as it does not adversely affect the rights of others. Believing in this concept, Winthrop University protects freedom of action and freedom of speech for both students and employees, so long as it is not of an inflammatory or demeaning nature and does not interfere with the students' living and study conditions, and the administration of its affairs. It constitutes a disruptive act for any member of the Winthrop community to engage in any conduct which would substantially obstruct, interfere with or impair instruction, research, administration, authorized use of University facilities, the rights and privileges of other members of the University community, or disciplinary proceedings. Moreover, Winthrop University is committed to improving the quality of student life by promoting a diversified educational and cultural experience for all its students. Therefore, racist conduct or other acts of bigotry are not tolerated.

Rights and freedoms imply duties and responsibilities. A student who exercises his or her rights as a private citizen—whether individually or as a member of a group—must assume full responsibility for his or her actions. All students and employees of Winthrop must abide by local, state and federal laws and with all published University policies and regulations. Violations of laws and regulations subject the perpetrator to disciplinary action by the University and/or the appropriate civil or criminal court.

Responsibility for good conduct rests with students as adult individuals. Student organizations have similar responsibility for maintaining good conduct among their members and guests and at activities they sponsor. All members of the University community are expected to use reasonable judgment in their daily campus life and to show due concern for the welfare and rights of others.

Students who violate University policies, rules and regulations are subject to expulsion or lesser sanctions. A complete outline of obligations and the disciplinary process is contained in the Student Conduct Code in the [Student Handbook](#) (available on the Winthrop web site).

Academic Discipline

Infractions of academic discipline are dealt with in accordance with the Student Academic Misconduct Policy which is contained in the Student Conduct Code in the Student Handbook. Academic misconduct includes but is not limited to providing or receiving assistance in a manner not authorized by the professor in the creation of work to be submitted for academic evaluation including papers, projects and examinations; presenting, as one's own, the ideas or words of another for academic evaluation without proper acknowledgment; doing unauthorized academic work for which another person is to receive credit or be evaluated; and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the professors involved. In addition, academic misconduct involves attempting to influence one's academic evaluation by means other than academic achievement or merit. More explicit definitions of academic misconduct specific to certain academic disciplines may be promulgated by academic departments and schools.

Sexual Harassment

It is the policy of Winthrop University that sexual harassment by its employees or students against other employees or students shall not be condoned. The University is committed to maintaining a workplace and a campus environment that are free of such harassment and will enforce Federal guidelines as they relate to sexual harassment.

Sexual harassment may include explicit sexual propositions, sexual innuendo, suggestive comments, sexually-oriented "kidding" or "teasing," practical jokes," jokes about gender-specific traits, foul or obscene language or gestures, display of foul or obscene printed or visual material, and physical contact such as hugging, patting, pinching or brushing against another's body.

With respect to employment, unwelcome sexual advances, requests for sexual favors and other offensive physical, verbal or visual conduct based on sex constitute sexual harassment

when: (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment; (2) submission to or rejection of such conduct by an individual is used as the basis for employment decisions affecting such individual; or (3) such conduct has the purpose or effect of unreasonably interfering with the individual's work performance or creating an intimidating, hostile or offensive work environment.

A student who believes she or he has been subject to harassment by an employee should immediately contact either the Director of Counseling Services in 203 Crawford, extension #2233; the Dean of Students in 218 Dinkins, extension #4503; or the Associate Vice President for Human Resources in 303 Tillman, extension #2273. Every effort will be made to maintain confidentiality about complaints and terms of resolution: however, ***confidentiality cannot be guaranteed.***

If a student believes that he or she is being harassed by another student, please refer to the Section IV, Prohibited Conduct, items C. and D. of the Student Conduct Code in the ***Student Handbook***.

Degree Requirements

The master's degree programs offered at Winthrop University require the successful completion of 30-60 semester hours of approved graduate-level work. The specialist's degree in school psychology requires the completion of 36-72 semester hours above the master's degree.

All students must have an Application for Graduation and a Program of Studies on file to be considered as a candidate for a degree.

Program of Studies

Upon being admitted to a degree program with graduate degree status (G), students are expected to confer with their assigned advisors to become acquainted with specific college or departmental regulations. At any time after a student is admitted with G status and no later than the semester following the completion of 12 semester hours toward the advanced degree, the student meets with the advisor to plan a program of studies leading toward the degree.

The individual program of studies must fulfill all the requirements of the appropriate degree program as published in the catalog. The year of the catalog being followed must be indicated on the program of studies form.

Program of studies forms are available in the office of the advisor or the graduate program director. The completed form must be signed by the student, the advisor, the program coordinator (where applicable), the department chairman (where applicable) and the graduate director of the college. The graduate director submits the approved program of studies to Graduate Studies where it is verified for adherence to catalog requirements. The program of studies is not considered to be official until the signature of an authorized person in Graduate Studies is affixed.

The original copy of the program of studies remains on file in Graduate Studies, where it is used in determining completion of all degree requirements. Copies are distributed to the student, advisor and graduate director. It is the student's responsibility to follow the approved program of studies. Changes in the program must receive the same approvals as the original program. Forms for making changes in the program of studies are available in the advisor's office.

Courses Open to Graduate Students Only

At least one-half of the total semester hours submitted for an advanced degree must be in courses open to graduate students only. Courses numbered 600-699 are advanced courses open only to graduate students for graduate credit.

Courses numbered 500-599 are advanced courses primarily for juniors, seniors and graduate students. Graduate students are automatically enrolled for graduate credit in courses numbered 500-599 unless undergraduate credit is requested at registration (or no later than the close of the registration change period). Juniors and seniors are automatically enrolled for undergraduate credit in courses numbered 500-599. Students enrolled in 500-level courses for graduate credit are expected to complete additional appropriate requirements.

Individually Directed Courses

With approval from the instructor, the department chairperson and the dean of the college, a graduate student may take a course as an individually directed course (IDC). No more than 6 semester hours of IDC may be counted toward a graduate degree.

Change of Degree Program

A graduate student may change from one degree program to another if he or she meets the criteria for admission to the new program and is accepted by the new department. The student must file an Application for Program Change with Graduate Studies, which forwards all credentials to the new department for an admission decision. The student is notified of the decision by Graduate Studies.

Choice of Catalog and Time Limit

A regular graduate student may obtain a degree in accordance with the requirements set forth in the catalog in force at the time the student completes—as a degree-seeking student—the first graduate-level course at Winthrop which counts toward the degree. The student may elect to obtain a degree in accordance with the requirements of any catalog issued after the initial admission, provided the student completed a graduate-level course in the current program at Winthrop at the time the catalog was issued and has not subsequently been absent from active enrollment in the program for a continuous period of 12 months or more.

When a student has been absent from active enrollment in his or her graduate program for a period of 12 months or more, he or she must fulfill the graduation requirements of the catalog in force at the time of the student's next (or subsequent) completion of a graduate-level course in the current program at Winthrop.

A student who changes graduate degree programs may choose a catalog no earlier than the one in effect at the time of official admission into the new program (if the student is enrolled at the time), or the catalog under which the student next enrolls. The catalog chosen must be one under which the student completes a graduate-level course at Winthrop which counts toward the degree.

In all cases, a student is restricted in choice to the requirements of one specific catalog and must graduate within a period of 6 years from

the date the catalog was issued to claim the rights of that catalog. All work to be counted on the degree, including transfer work, must be completed within the 6-year period immediately prior to the conferring of the degree.

If any course required in the catalog specified is not offered after the student specifying the catalog has accumulated 18 semester hours, the University reserves the right to substitute another course. In all cases, if a course has been officially dropped from the course offerings, the University must provide a substitute course.

Transfer Credit Policy

Winthrop may credit toward a graduate degree 9 semester hours of graduate work from another accredited graduate institution upon recommendation of the appropriate advisor and academic dean. (An additional 3 semester hours may be transferred, at the discretion of the advisor and academic dean.) Students in the Master of Science program in physical education are limited to a maximum of six hours of transfer credit. Transfer of credit must be approved in writing by the student's advisor and academic dean for inclusion in the student's official program of study; and the course level is verified in Graduate Studies. After a student has entered a graduate program at Winthrop, permission from the student's advisor and academic dean is required prior to enrolling in the transfer course(s). Permission to Transfer forms are available in Graduate Studies. Official copies of transcripts must be submitted and evaluated before any transfer credit may be officially accepted. Certain courses submitted for transfer may not be considered equivalent to specified requirements although course titles may be the same.

A graduate student may not transfer credit taken at another institution while he or she was on academic probation at Winthrop or was ineligible to return to Winthrop. Credit earned at another institution by a graduate student in good standing may be transferred if a grade of B or better has been earned in the course.

Transfer credits are not used in computing the student's cumulative grade-point average. Transfer credits do not appear on a Winthrop University transcript until the graduate student has achieved graduate degree status and the courses appear on an approved program of studies leading toward that degree.

Extension courses offered by accredited graduate institutions are subject to approval of the student's advisor and academic dean. Correspondence courses are not accepted for graduate credit. Transfer credit is subject to all Catalog regulations pertaining to graduate degree courses, including the 6-year time limit.

It is the student's responsibility to have an official transcript of the transfer credits forwarded to Graduate Studies, 209 Tillman Hall, Winthrop University, Rock Hill, SC 29733, no later than four days prior to the expected graduation date. Transfer credits taken during the final semester of a program may delay graduation and certification approval until official transcripts have been received in Graduate Studies. Transcripts of all work taken when a student is absent from Winthrop must be submitted when the student reapplies to Winthrop.

Graduate Studies 600

All candidates for graduate degrees must be enrolled in course work during the semester in which they intend to graduate. Students who have completed all course requirements for the degree in a prior semester, but have not completed all of the requirements for the degree (i.e., unsatisfactory performance on exit or certification examinations, or other degree requirements), must enroll in GSTC 600, Continuing Graduate Studies, or any other graduate-level course. Although GSTC 600 does not carry any degree credit, it establishes that graduate students are actively enrolled in course work during the semester they intend to graduate. Registration in GSTC 600 provides students with all of the services and privileges of enrolled graduate students (example: use of the library, valid ID card, access to on-campus parking). Permission of department chair is required for registration.

Any graduate student not enrolled in course work for a degree program and not planning to graduate at the end of the semester may register for GSTC 600 to secure the services of an enrolled graduate student. Enrollment in GSTC 600 is limited to students working on theses or preparing for required examinations. A fee of \$35 is assessed for students registering for GSTC 600.

Grade-Point Average Required for Graduation

A final grade-point average of at least 3.0 in graduate work taken at Winthrop is required for all graduate degrees. The final grade-point average is based on hours and quality points earned for courses taken on a letter-grade basis at Winthrop which are necessary for meeting the degree requirements.

Comprehensive Examinations

A student pursuing a degree program requiring a comprehensive examination should contact their advisor to obtain specific exam information and to schedule the exam. Results of comprehensive examinations are due in Graduate Studies no later than two weeks prior to the final examination period of the term the student has applied to graduate.

Thesis

Each candidate for a master's degree with a program requiring a thesis should normally enroll for thesis credit during the final two semesters of the degree program. The thesis must be prepared under the direction of a major advisor according to the Instructions for the Preparation of a Thesis, which may be obtained from Graduate Studies. Credit is not granted until the thesis has been completed and approved by the candidate's advisory committee and the dean of the college. The time and place for defense of the thesis and the title of the thesis should be announced in advance with the defense open to the campus community.

Degree Requirements

Four copies of the thesis in final form and approved by the student's advisory committee must be submitted to Graduate Studies at least two weeks prior to the final examination period. A thesis binding fee must be paid to the Cashier's Office and a receipt submitted to Graduate Studies at the time the thesis is submitted. If the actual cost of binding and postage exceeds the fee paid, the difference is billed to the candidate. If the candidate desires to have additional copies bound, binding may be arranged through Graduate Studies.

Students may, with the agreement of their advisor and their thesis committee, have their thesis included in *Masters Abstracts*. Information on costs and procedures is available in Graduate Studies.

Application for Graduation

Prior to the end of the third week of the semester or the second week of the summer session in which graduation is expected, a student must file an Application for Graduation with Graduate Studies, 209 Tillman Hall. Failure to file an application for fall and spring commencements by the indicated date will result in a late fee according to the following schedule:

Fall and Spring

<i>Application Filed</i>	<i>Fee</i>
First four weeks after published deadline	\$10
Remainder of semester	\$20

Awarding of Degrees and Commencement Exercises

Degrees are awarded three times a year, at the end of each semester and at the end of the summer session.

Commencement exercises are held twice a year, in December and in May. The program for the December commencement lists the names of all students who completed degrees during the receding summer session, as well as those who completed degrees during the first regular semester. The program for the May commencement lists the names of those students who completed degrees during the second regular semester.

Students who complete degrees during the regular semester and desire to graduate in absentia should submit a written notification to the Graduate Studies, 209 Tillman Hall.

Commencement Participation Policy

The following policy is in effect through May 2005. Candidates for graduate degrees may participate in the commencement ceremony if one of the following criteria is met:

1. Candidates have completed all program and degree requirements.
2. Candidates can fulfill all program and degree requirements within 30 days after the official end of the term. Candidates who can fulfill all program and degree requirements within 30 days must submit a letter to the Graduate Studies Office requesting permission to participate in the ceremony. The letter must have the endorsement of the student's advisor, graduate director and the dean of the academic unit where the degree program is housed.

Beginning Fall 2005, for the December 2005 Commencement, the following policy will be in effect. Only those graduate students who have completed all their degree requirements as outlined in the Graduate Catalog will be permitted to participate in commencement ceremonies. No exceptions will be made for any students who have not completed all their degree requirements.

Second Master's Degree

A student is permitted to earn a second master's degree subject to the following conditions:

1. No work applied to a previously awarded degree may be applied to the new degree program;
2. The second master's degree program must be in a discipline different from the previously earned master's degree; and
3. The student must successfully meet all requirements for the new degree.

ACADEMIC PROGRAMS

The College of Arts and Sciences

Dean: Debra C. Boyd
Associate Dean and
Director of Graduate Studies:
Sarah F. Stallings
803/323-2183

Admission as a graduate degree student (G) in the College of Arts and Sciences requires a student's undergraduate record to show adequate preparation for graduate work in the chosen program and an overall undergraduate grade-point average of at least 3.0 on a 4.0 scale. If the quality of a student's undergraduate work is less than that required, admission may be granted on the basis of scores on either the General Test of the Graduate Record Examinations or the Common Examination or a Specialty Area Test of the PRAXIS Examination or Miller Analogies Test. Applicants should contact graduate program directors for information about additional or alternative admission requirements.

Liberal Arts

Master of Liberal Arts
Graduate Program Director:
David L. Rankin, 803/323-2368

The Master of Liberal Arts Program provides an opportunity for mature learners to pursue a deeper understanding of the human condition through a structured, interdisciplinary program of study. The MLA program is not directed toward professional ends, but rather it is designed to allow students to seek understanding through study in the liberal arts and sciences.

Admission Requirements. Admission to the program requires a baccalaureate degree from an accredited institution, an essay and an interview with the program director.

Applications should be submitted to the Graduate Studies Office. Complete applications consist of the following:

1. Application for Graduate Admission;
2. Official transcripts (sent directly to Winthrop University from the issuing Institution) from all post-secondary education; and
3. Essay describing why the applicant wishes to enter the program. Call the MLA office at 803/323-2368 for details.

After credentials are reviewed by the MLA admissions committee, the program director will contact the applicant to schedule an interview. Additional information about the program and the admission process can be obtained from the Director of the MLA Program, 136 Bancroft Hall, Winthrop University, Rock Hill, SC 29733, or phone 803/323-2368.

Program Requirements. The Master of Liberal Arts degree requires completion of 33 semester hours of approved graduate-level courses as indicated below, at least half of which must be 600-level courses. Twelve hours are in four courses designed for the program. Three of these courses are interdisciplinary colloquia developed on the theme, "The Search for Order." These courses explore this search by examining how order is brought to our world through empirical, rational and intuitive means. The fourth required course, to be taken at the end of the program, is an individual project on a topic of interest to the student. The remaining seven courses (21 hours) are elective graduate courses in liberal arts and science disciplines selected by the student upon consultation with the director.

Required Program		Semester Hours
LART 601	The Search for Order: The Empirical Eye	3
LART 602	The Search for Order: The Rational Eye	3

LART 603 The Search for Order: The Intuitive Eye	3
LART 604 Capstone Colloquium	3
500-600 level electives	21
Total Semester Hours	33

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Biology

Graduate Faculty

Professors

Janice Chism
John E. Dille
James W. Johnston, chair
William Rogers

Associate Professors

Dwight D. Dimaculangan
Susan J. Marks
Paula L. Mitchell
Julian Smith III

Assistant Professors

Laura Glasscock
Peter C. Phillips
John M. Schmidt
Kristi Westover

Master of Science in Biology

Graduate Program Director:

Janice Chism, 803/323-2111 ext.6429

Admission Requirements. Admission to the program for the Master of Science degree in biology requires successful completion of an undergraduate major in biology, or its equivalent, and one year of general chemistry. In addition to the general requirements for admission to graduate study at Winthrop, qualified applicants must submit official scores on the General Test of the Graduate Record Examination. Eligibility for admission to the program is based on the following point scale:

<u>Grade-Point Average</u>		<u>GRE-Verbal</u>		<u>GRE-Quantitative</u>	
<u>Score</u>	<u>Points</u>	<u>Score</u>	<u>Points</u>	<u>Score</u>	<u>Points</u>
3.76-4.00	8	700-800	7	700-800	7
3.51-3.75	7	600-690	6	600-690	6
3.26-3.50	6	500-590	5	500-590	5
3.01-3.25	5	400-490	4	400-490	4
2.76-3.00	4	300-390	3	300-390	3
2.51-2.75	3	200-290	2	200-290	2
2.26-2.50	2				
2.01-2.25	1				
Below 2.00	0				

Compute the points from each of the three areas listed in the previous table and apply the total to the following scale:

<u>Eligibility Score</u>	<u>Status</u>
12-22	Eligible for interview, then admit or deny
4-11	Admission denied

If an applicant's admission score is between 12 and 22, the Graduate Studies Office will notify the applicant to contact Dr. Janice Chism, director of Graduate Studies, Department of Biology, Winthrop University, Rock Hill, SC, 29733, 803/323-2111, ext. 6429 to schedule an appointment for an interview. The final admission decision is at the discretion of the Biology Department.

Applicants should submit all admission credentials to the Graduate Studies Office. After the Biology Department reviews the materials, the applicant will be notified in writing by the Graduate Studies Office of the admission decision.

The Master of Science degree in Biology requires the completion of at least 30 semester hours of approved graduate-level courses. At least half the work presented for the degree must be 600-level courses. At least 24 semester hours of these courses must be in biology.

Each graduate student in biology, before receiving the Master of Science degree, must attend a minimum of five departmental seminar programs. Attendance does not carry course credit.

Program Requirements With Thesis. Each student must complete 30 semester hours of course work including a thesis. Each student has an advisory committee of three faculty members, including a principal advisor who directs and approves thesis research and writing. The thesis is defended before

Academic Programs - College of Arts and Sciences

the advisory committee, and a seminar presentation is given to the entire faculty.

		Semester
Required Program		Hours
BIOL 601	Theory and Method in Biology	3
BIOL 610	Recent Advances in Molecular and Cellular Biology	
OR		
BIOL 611	Recent Advances in Organismic and Developmental Biology	
OR		
BIOL 612	Recent Advances in Environmental and Evolutionary Biology	3
BIOL 695	Thesis	3
BIOL 696	Thesis	3
BIOL 697	Presentation of Biological Research	1
500-600 level BIOL electives		11
500-600 level approved electives		6
Total Semester Hours		30

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Program Requirements Without Thesis. The Master of Science degree in biology without a thesis requires the completion of at least 36 hours of approved graduate-level courses. At least half the work presented for the degree must be 600-level courses.

Immediately upon entering the graduate program, the student should develop, with the assigned advisor, an individual course of study which meets the requirements for the degree and the student's objectives.

		Semester
Required Program		Hours
BIOL 601	Theory and Method in Biology	3
BIOL 610	Recent Advances in Molecular and Cellular Biology	3
BIOL 611	Recent Advances in Organismic and Developmental Biology	3
BIOL 612	Recent Advances in Environmental and Evolutionary Biology	3

Select at least three hours from each of the following three areas: 9-12

Ecology/Evolution

- BIOL 513 Organic Evolution
- BIOL 515 Environmental Biology
- BIOL 527 Population Biology
- BIOL 632 Advanced Topics in Ecology/Evolutionary Biology

Organismal/Developmental/Integrative

- BIOL 505 Primate Biology
- BIOL 508 Invertebrate Biology
- BIOL 510 Vertebrate Natural History
- BIOL 511 Ornithology
- BIOL 518 Animal Behavior
- BIOL 524 Advanced Botany
- BIOL 631 Advanced Topics in Organismal and Developmental Biology
- BIOL 633 Advanced Topics in Physiology/Integrated Biology

Cell/Molecular

- BIOL 517 Human Genetics
- BIOL 521 Cytogenetics
- BIOL 522 Immunology
- BIOL 526 Applied Microbiology
- BIOL 530 Methods in Electron Microscopy
- BIOL 555 Molecular Biology
- BIOL 556 Molecular Genetics and Recombinant DNA Techniques
- BIOL 605 Bioethics
- BIOL 629 Advanced Topics in Cellular/Molecular Biology
- BIOL 630 Advanced Cellular and Molecular Biology Lab

500-600 level BIOL electives 6-15

Select additional courses from those listed in the areas above and/or from the following:

- BIOL 520 Entomology
- BIOL 540 Special Topics in Biology
- BIOL 605 Bioethics
- BIOL 640 Readings in Biology
- BIOL 671 Graduate Research in Biology
- 500-600 level approved electives 0-6

Total Semester Hours 36

Note: Registration For GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

English**Graduate Faculty****Professors**

William F. Naufftus
 David L. Rankin, emeritus
 Jane B. Smith
 Margaret Tebo-Messina, co-chair

Associate Professors

John C. Bird
 Debra C. Boyd, dean
 Max L. Childers
 Gloria Godfrey Jones, co-chair
 Josephine Koster
 Marguerite Quintelli-Neary

Master of Arts in English**Graduate Program Director:**

William F. Naufftus, 803/323-4570

Admission Requirements. Admission to the program for the Master of Arts degree in English usually requires the successful completion of 24 semester hours of approved courses in English at the undergraduate or graduate level, in addition to the general requirements for admission to graduate study at Winthrop. Applicants are required to submit a satisfactory score on the General Test of the Graduate Record Examination, the Specialty Area Test of the PRAXIS Examination or the Miller Analogies Test.

Program Requirements With Thesis. The Master of Arts degree in English with thesis requires the completion of at least 30 hours of approved graduate-level courses including 6 semester hours of thesis. At least half the work presented for the degree must be 600-level courses.

Immediately upon entering the graduate program, the student should develop, with the assigned advisor, an individual course of study which meets the requirements for the degree and the student's objectives.

To be eligible for graduation, a student must fulfill all course requirements and perform satisfactorily on a final comprehensive examination.

Required Program

	Semester Hours
ENGL 600 Materials and Methods of Research in English or its equivalent*	3
ENGL 602 Critical Theory or its equivalent*	3
ENGL 695 Thesis**	3
ENGL 696 Thesis**	3
British Literature prior to 1784*	3
British Literature after 1784*	3
American Literature*	3
A Major Figures course*	3
Collateral courses in supporting areas or departments*	0-9
500-600 level ENGL electives	0-24
Total Semester Hours	30

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*These requirements are to assure variety of experiences. If the student has a strong background in a particular area, he or she may substitute another course or area.

**Before registering for ENGL 695, Thesis, the student must have successfully completed 9 semester hours of a foreign language or have passed a language examination approved by the department.

Program Requirements Without Thesis. The Master of Arts degree in English without a thesis requires the completion of at least 36 hours of approved graduate-level courses. At least half the work presented for the degree must be 600-level courses.

Immediately upon entering the graduate program, the student should develop, with the assigned advisor, an individual course of study which meets the requirements for the degree and the student's objectives.

To be eligible for graduation, a student must fulfill all course requirements and perform satisfactorily on a final comprehensive examination.

Required Program	Semester Hours
ENGL 600 Materials and Methods of Research in English or its equivalent*	3
ENGL 602 Critical Theory or its equivalent*	3
British Literature prior to 1784*	3
British Literature after 1784*	3
American Literature*	3
A Major Figures course*	3
Collateral courses in supporting areas or departments*	0-12
500-600 level ENGL electives**	0-36
Total Semester Hours	36

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*These requirements are to assure a variety of experiences. If the student has a strong background in a particular area, he or she may substitute another course or area.

**Students must have successfully completed 9 semester hours of a foreign language or have passed a language examination approved by the department before registering for the 25th semester hour of the program.

History

Graduate Faculty

Professors

Michael L. Kennedy
Jason H. Silverman

Associate Professors

Lynne Dunn
Ishita Ghosh
Edward S. Haynes
J. Edward Lee
Virginia S. Williams

Assistant Professors

L. Andrew Doyle
David Pretty

Master of Arts in History Graduate Program Director: Rory Cornish, 803/323-4816

Admission Requirements. Admission to the program for the Master of Arts degree in history usually requires the successful completion of 24 semester hours of approved courses in history at the undergraduate or graduate level, evidence of a satisfactory score on either the General Test of the Graduate Record Examination or the Specialty Area Test of the PRAXIS Examination, in addition to the general requirements for admission to graduate study at Winthrop.

Program Requirements With Thesis. The Master of Arts degree in history with thesis requires the completion of at least 30 hours of approved graduate-level courses including a thesis. At least half the work presented for the degree must be 600-level courses.

One of the courses should be HIST 500, Historiography and Methodology, if an equivalent course has not been taken on the undergraduate level. In exceptional circumstances, the student may, with permission of the MA advisor and the department chairperson, demonstrate adequate research and writing skills by submitting satisfactory proof of those skills in lieu of taking HIST 500. In such case, the student must submit to the MA advisor a research paper and have received the advisor's approval that the paper demonstrates adequate research and writing skills.

Immediately upon entering the graduate program, the student should develop with the assigned advisor an individual course of study which meets the requirements for the degree and the student's objectives.

Required Program	Semester Hours
500-600 level approved HIST courses	15-24
500-600 level approved collateral courses in supporting areas or departments	0-9
HIST 695 Thesis	3
HIST 696 Thesis	3
Total Semester Hours	30

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Foreign Language Requirement. In addition to the requirements stated above, before registering for HIST 695, Thesis, the student must have successfully completed 6 semester hours of a foreign language or have passed a language examination approved by the department.

Program Requirements Without Thesis. The Master of Arts in history without a thesis requires the completion of at least 36 hours of approved graduate-level courses. At least half the work presented for the degree must be 600-level courses.

One of the courses should be HIST 500, Historiography and Methodology, if an equivalent course has not been taken on the undergraduate level. In exceptional circumstances, the student may, with the permission of the MA advisor and the department chairperson, demonstrate adequate research and writing skills by submitting satisfactory proof of those skills in lieu of taking HIST 500. In such case, the student must submit to the MA advisor a research paper and have received the advisor's approval that the paper demonstrates adequate research and writing skills.

Immediately upon entering the graduate program, the student should develop with the assigned advisor an individual course of study which meets the requirements for the degree and the student's objectives.

Required Program	Semester Hours
500-600 level approved HIST courses	27-36
500-600 level approved collateral courses in supporting areas or departments	0-9
Total Semester Hours	36

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Foreign Language Requirement. In addition to the requirements stated above, before registering for the 25th semester hour of the program, the student must have successfully completed 6 semester hours

of a foreign language or have passed a language examination approved by the department.

Human Nutrition

Graduate Faculty

Professors

Sarah F. Stallings, associate dean
Patricia Giblin Wolman, chair

Associate Professor

R. Carlton Bessinger
E. Jean Silagyi-Rebovich

Master of Science in Human Nutrition

Graduate Program Director:

Patricia Giblin Wolman, 803/323-4520

Admission Requirements. Admission as a graduate degree student in human nutrition requires the applicant to show adequate undergraduate preparation for graduate work in the chosen program and to have an overall undergraduate grade-point average of 3.0 on a 4.0 scale.

In addition, a satisfactory score on the verbal and quantitative sections of the General Test of the Graduate Record Examination (preferred), or on the Miller Analogies Test is required. The Common Examination of the PRAXIS Examination may be accepted if the prospective student has taken the exam already and scored in an acceptable range. Admission is competitive. Each graduate applicant must also complete an entrance conference with at least two graduate faculty members.

The Master of Science degree in human nutrition requires the completion of at least 33 hours of approved graduate-level courses. At least half the work presented for the degree must be 600-level courses.

Academic Programs - College of Arts and Sciences

Required Program With Thesis	Semester Hours
500-600 level NUTR courses	6
500-600 level ACCT, ANTH, BADM, BIOL, CHEM, CSDV, ECON, EDMD, EDUC, FINC, GEOG, HLTH, HLSM, MGMT, MKTG, MCOM, MATH, PHED, PLSC, PSYC, QMTH, SCWK, SOCL, VCED, WRIT, or NUTR	9
MATH 546 Applied Statistics for the Sciences	3
NUTR 624 Vitamin Metabolism	3
NUTR 626 Mineral Metabolism	3
NUTR 607 Research Methods	3
NUTR 695 Thesis	3
NUTR 696 Thesis	3
Total Semester Hours	33

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Required Program Without Thesis	Semester Hours
500-600 level NUTR courses	15
500-600 level ACCT, ANTH, BADM, BIOL, CHEM, CSDV, ECON, EDMD, EDUC, FINC, GEOG, HLTH, HLSM, MGMT, MKTG, MCOM, MATH, PHED, PLSC, PSYC, QMTH, SCWK, SOCL, VCED, WRIT, or NUTR	9
MATH 546 Applied Statistics for the Sciences	3
NUTR 624 Vitamin Metabolism	3
NUTR 626 Mineral Metabolism	3
NUTR 607 Research Methods	3
NUTR 650 Special Topics: Food and/or Nutrition	3
Total Semester Hours	39

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

A Master of Science degree option is available which incorporates the Commission on Accreditation for Dietetics Education (CADE) accredited Dietetic

Internship. Contact information is The Commission on Accreditation for Dietetics Education of the American Dietetic Association, 120 South Riverside Plaza, Chicago, IL 60606, 312/899-5400. Applicants must submit internship applications by August 15.

Prior to registration, applicants must complete the CADE didactic program in dietetics requirements. Acceptance into the internship is contingent upon academic standing, Graduate Record Examination scores, faculty endorsements, references, personal interview and score on a knowledge-based examination.

Internship application materials, application checklist and information on the preselect option are available on the Internet at: www.winthrop.edu/nutrition.htm and from the Department of Human Nutrition, 302 Life Sciences Building, 803/323-2101.

Required Program With Thesis and Internship	Semester Hours
500-600 level NUTR concentration	6
NUTR 528 Experiences in Nutrition Therapy	2
NUTR 529 Experiences in Community Nutrition	2
NUTR 530 Experiences in Food Systems Management	2
MATH 546 Applied Statistics for the Sciences	3
NUTR 624 Vitamin Metabolism	3
NUTR 626 Mineral Metabolism	3
NUTR 607 Research Methods	3
500-600 level electives	3
NUTR 695 Thesis	3
NUTR 696 Thesis	3
Total Semester Hours	33

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Required Program With Internship and Without Thesis	Semester Hours
500-600 level NUTR concentration	15
500-600 level electives	3

NUTR 528	Experiences in Nutrition Therapy	2
NUTR 529	Experiences in Community Nutrition	2
NUTR 530	Experiences in Food Systems Management	2
MATH 546	Applied Statistics for The Sciences	3
NUTR 624	Vitamin Metabolism	3
NUTR 626	Mineral Metabolism	3
NUTR 607	Research Methods	3
NUTR 650	Special Topics: Food and/or Nutrition	3

Total Semester Hours 39

A cooperative Master of Science degree in human nutrition between Winthrop University and the Medical University of South Carolina is offered. The program requires completion of a minimum of 30 semester hours of approved graduate-level work.

Required Program With Thesis	Semester Hours
500-600 level NUTR courses	12-15
500-600 level Allied Health, AV Techniques, BADM, BIOL, CHEM, VCED	6-9
NUTR 607 Research Methods	3
NUTR 695 Thesis	3
NUTR 696 Thesis	3

Total Semester Hours 30

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Required Program Without Thesis	Semester Hours
500-600 level NUTR courses	12-15
500-600 level Allied Health, AV Techniques, BADM, BIOL, CHEM, VCED	9-12
NUTR 607 Research Methods	
OR	
Nursing 421* (at MUSC)	3
NUTR 650 Special Topics: Food and/or Nutrition (at Winthrop or MUSC)	3
Total Semester Hours	<u>30</u>

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*By petitioning Department of Human Nutrition Graduate Faculty.

Graduate Certificate in Human Nutrition
Graduate Program Director:
Patricia Giblin Wolman, 803/323-4520

The Core content of the program includes current knowledge in human nutrition and may include courses from such related disciplines as biology, chemistry, business, education, gerontology, health and health care administration, communications, statistics, political science, psychology, social work and sociology. Students who hold a baccalaureate degree from an accredited institution with a minimum cumulative grade point average of 2.5 or above may be admitted to the Graduate Certificate in Human Nutrition program. Students must have a Didactic Program in Dietetics (DPD) verification statement from Winthrop University or other accredited institution before receiving the Graduate Certificate in Human Nutrition from Winthrop.

Completion of the requirements for the Graduate Certificate in Human Nutrition will appear on the student's official transcript. Students must complete a minimum of 15 semester hours. Nine (9) of the semester hours must be in human nutrition at the graduate level. Course work for the Graduate Certificate in Human Nutrition must be completed within a six-year time period.

Core Requirements:
Minimum of nine hours from the following: **9**
 NUTR 520 Sports Nutrition
 NUTR 521 Nutrition and Metabolism
 NUTR 522 Community Nutrition
 NUTR 523 Food Science Principles
 NUTR 527 Medical Nutrition Therapy
 NUTR 528 Experiences in Nutrition Therapy
 NUTR 529 Experiences in Community Nutrition
 NUTR 530 Experiences in Food Systems Management
 NUTR 534 Seminar in Human Nutrition

Academic Programs - College of Arts and Sciences

NUTR 570 Food Research, Marketing and
Quality Assurance
NUTR 572 Dietetics Management
NUTR 575 Marketing in Foodservice Systems
NUTR 600 Seminar in Food and Nutrition
NUTR 604 Advanced Medical Nutrition
Therapy
NUTR 610 Nutrition in the Third World
NUTR 620 Maternal and Child Nutrition
NUTR 621 Nutrition and Aging
NUTR 623 Intermediary Metabolism
NUTR 624 Vitamin Metabolism
NUTR 625 Abnormal Metabolism
NUTR 626 Mineral Metabolism
NUTR 627 Recent Developments in Food
Science and Nutrition
Electives* 6

*Electives may include undergraduate courses in human nutrition or graduate or undergraduate courses from related areas including ACCT, ANTH, ARTS, BADM, BIOL, CHEM, CSCI, DANT, CSDV, ECON, EDCI, EDUC, FINC, FREN, GEOG, GRNT, HLTH, HLSM, INAS, LART, MGMT, MKTG, MCOM, MATH, NUTR, PHED, PLSC, PSYC, QMTH, SCWK, SOCL, SPAN, SPCH, VCED, WRIT.

Total Semester Hours 15

Course selections (program of study) must be approved by the Department of Human Nutrition faculty. Inclusion of related area courses in programs of study should be approved by the appropriate department chair.

Students must maintain a minimum grade point average of 2.6 in undergraduate credit courses and 3.0 in graduate credit courses. No more than three semester hours of "C" level credit may be applied to the Graduate Certificate in Human Nutrition. No more than three semester hours may be repeated for credit. Grading for all course work in the Graduate Certificate program will be specified by the College of Arts and Sciences and may include a maximum of six hours of S/U (satisfactory/unsatisfactory) grades for specific courses, i.e., NUTR 528, NUTR 529 and NUTR 530. No more than 12 hours of graduate credit earned while pursuing a Graduate Certificate in Human Nutrition may be applied to the Master of Science degree in Human Nutrition (separate admission) at Winthrop University.

Mathematics

Graduate Faculty

Professors

Gary T. Brooks, chair
Ronnie C. Goolsby
Danny W. Turner

Associate Professors

Heakyung Lee
Thomas Polaski

Assistant Professors

Carlos E. Caballero
Frank Pullano

Master of Mathematics

Graduate Program Directors:

**Gary T. Brooks and Carlos E. Caballero,
803/323-2175**

Admission Requirements. Admission to the Master of Mathematics degree program requires the successful completion of 18 semester hours of approved courses at the undergraduate or graduate level to include at least 9 semester hours of calculus and 3 semester hours of modern algebra.

Applicants are required to submit satisfactory scores on the General Test of the Graduate Record Examination. Particularly strong candidates may petition the Mathematics Department for a waiver of some entrance requirements. The applicant must also satisfy the general admission requirements to graduate study at Winthrop University.

The Master of Mathematics requires the completion of 30 semester hours of approved graduate-level courses as indicated below. At least half of the work presented for the degree must be 600-level courses.

Immediately upon entering the graduate program, the student should develop, with the assigned advisor, an individual course of study which meets the requirements for the degree.

Required Program	Semester Hours
Category I	0-3
MATH 542 Probability and Statistics II*	
Category II Select 9 hours from:	9
MATH 610 Real Analysis II	
MATH 650 Selected Topics in Mathematics	
MATH 655 Advance Linear Algebra	
MATH 656 Topics in Module Theory	
Category III Select 6 hours:	6
600-level approved MATH courses	
Category IV Select at least 6 hours:	6-9
500-600 level approved MATH courses**	
Category V Select 6 hours:	6
500-600 level approved courses	
Total Semester Hours	30

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*Unless previously taken as an undergraduate.

**May not include MATH 541, Probability and Statistics I.

School Psychology

Graduate Faculty

Professors

Melvin Goldstein, chair
Heidar A. Modaresi
Joseph S. Prus

Associate Professors

Gary L. Alderman
Timothy K. Daugherty
Kathy A. Lyon
Jeff Sinn
Donna Webster-Nelson

Assistant Professors

Cheryl Fortner-Wood
Antigo Martin-Delaney
M. Jane Rankin

Master of Science in School Psychology Specialist in School Psychology Graduate Program Director: Joseph S. Prus, 803/323-2117

The Winthrop School Psychology Program is a three-year, full-time graduate training sequence leading to the Specialist in School Psychology (SSP) degree. Although an interim Master of Science (MS) degree is awarded at the end of the second year, students admitted to the program are expected to complete the full three-year training program.

The Winthrop School Psychology Program is primarily designed to prepare practitioners who are competent to provide a full range of school psychological services including consultation, behavioral intervention, psychoeducational assessment, research, program planning/evaluation and counseling. Students are prepared to work with diverse clients from infancy to young adulthood, including those with low-incidence disabilities, and with families, teachers and others in the schools and community. Opportunities for working under close supervision in rural, suburban and urban settings are afforded students in the program. Although some of our graduates subsequently pursue doctoral studies, the primary purpose of the program is the preparation of well-rounded professionals for work in public schools and related settings.

The three-year, full-time program leading to both the Master of Science (MS) And Specialist in School Psychology (SSP) Degrees utilizes a highly structured, applied, competency-based approach to training. The curriculum is linked to a comprehensive set of objectives that outline knowledge, skills, and dispositions needed by school psychologists in order to respond effectively to the diverse needs of individuals and systems that we ultimately serve. Program emphasis is placed on psychological and psychoeducational methods whose effectiveness has been demonstrated through behavioral research. A multi-method, multi-source approach to assessment of learning and development helps assure that students attain the competencies needed to be effective school psychologists.

The Winthrop School Psychology Program has been designed to meet national standards of quality and progresses sequentially from foundations courses to methods/practica experiences to a 1,200

hour internship. The training philosophy of the program emphasizes the importance of integrating knowledge and skills under conditions of strong supervision, support and collaboration. Completion of supervised field experience over the last two years of the program provides for closer integration of didactic and experiential components of the curriculum, more immediate application and integration of skills and strong involvement of faculty in this critical stage of training. Low student-to-faculty ratios in all methods/practica courses and weekly sessions with both faculty and credentialed field supervisors during traineeship and internship help to assure the monitoring and support needed for students to become competent professionals. Collaboration and cooperation among students are also encouraged.

The combined MS/SSP program is fully approved by the National Association of School Psychologists (NASP) and South Carolina Department of Education. Winthrop is also fully accredited by the National Council for Accreditation of Teacher Education (NCATE). Upon the attainment of a passing score on the PRAXIS II Examination in School Psychology and the recommendation of the program director, graduates of the program qualify to become Nationally Certified School Psychologists (NCSP) and can attain certification as School Psychologists in South Carolina (Level II) and other states.

Employment offers for Winthrop School Psychology graduates typically exceed the number of graduates each year. Over the past ten years, virtually all graduates seeking employment in the field have attained such employment within three months of graduation and many have been offered positions before graduation. Winthrop School Psychology alumni are employed in many states. Their preparation is evaluated very highly by employers. Those who have pursued doctoral studies have also been very successful in gaining admission and in completing their studies.

Immediately upon entering the program, the student should develop, with the assigned advisor, an individual course of study which meets the requirements for the degree and the student's objectives.

Curriculum

The curriculum is organized into four areas: Psychological and Educational Foundations, Psychoeducational Methods, Traineeship and Internship.

Psychological and Educational Foundations.

Coursework covers the theoretical foundations of the science of human behavior and the foundations of education. Psychological foundation areas include human learning/cognition, human development, child and adolescent psychopathology, and health psychology and behavioral medicine. Educational foundation areas include exceptional children, multicultural issues, reading, and organization and operations of schools. This area includes the history and foundations of professional school psychology.

Psychoeducational Methods. Characterized by a competency-based approach and emphasis on data-based decision-making, coursework in this area involves the acquisition and application of professional knowledge and skills needed to function successfully as a school psychologist. Courses cover diverse models and methods of psychoeducational assessment, behavioral assessment and intervention, counseling and mental health services, research and evaluation, and consultation/indirect services to schools and families.

Traineeship. In conjunction with psychoeducational methods courses, students complete a two day per week, 450 traineeship in the schools during the second year of the program. This experience includes close supervision by both faculty and field supervisors and includes specific objectives that address school psychology competencies in such areas as assessment, counseling, behavioral assessment and intervention, and consultation.

Internship. During the third year, students complete a paid 1200 hour supervised internship, at least 600 hours of which must be in the schools (a limited number of non-school internship settings are available for up to 600 hours of the total experience). Internships in nearby diverse rural, suburban, and urban settings allow students to practice and integrate the full range of school psychological services under supervision of credentialed faculty and field supervisors.

Students return to the university for faculty supervision and one advanced course taken concurrently with internship each semester.

Interns and trainees are required to acquire malpractice insurance coverage at their own expense.

Thus, four sequential levels of training (foundations, psychoeducational methods, traineeship and internship) are provided. All psychoeducational methods courses and most other courses are limited to no more than a 10:1 student-faculty ratio to assure that the training experience is individualized and appropriately supervised.

Admission Requirements. Admission to the program requires completion of the Application for Graduate Admission and the separate school psychology program application form. Admissions are normally limited to eight or nine students per year, with study beginning in the fall semester only. Multiple admissions criteria are used, including prior grade point average, GRE General Test scores (minimum combined verbal and quantitative score of 800 preferred), three letters of recommendation, educational experience, work experience and personal qualifications. Despite the fact that admissions to the program are quite competitive (typically about one in four or five applicants is admitted) we apply no absolute cutoff on any one admissions criteria. The admissions decisions are focused on the selection of applicants who we believe have the greatest potential to be successful school psychologists.

Prerequisites to admission are 15 hours of prior undergraduate or graduate coursework in five areas: (1) general psychology; (2) human development (child development or child psychology may be acceptable alternatives); (3) experimental psychology or research methods; (4) psychological measurements (tests and measurements or educational measurements may be acceptable alternatives); and (5) statistics. While the bulk of these prerequisite areas must be completed prior to admission to the program, one or two may be taken after an applicant is admitted. Regardless of when it is taken, no prerequisite or remedial coursework may count toward either the MS or SSP. degree.

All admissions materials should be submitted by February 15 of each academic year. Late applications will be considered as openings exist. Finalists for admission are also expected to participate in a personal interview with the school psychology admissions committee.

Master of Science Degree. The MS requires 36 semester hours of coursework, but the degree is awarded only at the end of the second year. The remaining hours taken during the second year and those taken during the third year, are applied toward the Specialist in School Psychology degree. An additional M.S. requirement is the passing of a written comprehensive exam.

Required Program for the MS	Semester Hours
PSYC 508 Learning: Cognition	3
PSYC 512 The Exceptional Child	3
OR	
SPED 681 Educational Implications for the Exceptional Individual	
PSYC 515 Health Psychology and Behavioral Medicine	3
PSYC 604 Advanced Studies in Human Development	3
PSYC 510 Behavior Analysis and Change	
OR	
PSYC 606 Applied Behavior Analysis and Intervention	3
PSYC 607 Curriculum-Based Assessment and Academic Interventions	3
PSYC 608 Psychological Assessment for Intervention I	3
PSYC 615 Seminar in Professional School Psychology	3
PSYC 618 Consultation and Indirect Services	3
PSYC 620 School Psychology Traineeship I	3
PSYC 621 School Psychology Traineeship II	3
500-600 level approved READ elective	3
Total Semester Hours	36

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Specialist in School Psychology Degree. Upon satisfactory completion of course work, internship and culminating performance assessment requirements, the SSP degree will be awarded at the end of the 75 semester hours of the training sequence. The SSP Degree requires a satisfactory performance on a written comprehensive examination and the presentation and assessment of a portfolio of professional work completed in field placement.

Required Program for the SSP*	Semester Hours
PSYC 601 Psychopathology of Childhood and Adolescence	3
PSYC 603 Therapeutic Psychology: Techniques of Counseling and Psychotherapy	3
PSYC 609 Psychological Assessment for Intervention II	3
PSYC 611 Advanced Therapeutic Psychology: Techniques for Mental Health Services in the Schools	3
PSYC 612 Psychological Assessment for Intervention III	3
PSYC 613 Advanced Statistics and Data Analysis	3
PSYC 614 Research Methods and Applications	3
PSYC 625 Advanced Seminar in School Psychology	3
PSYC 651 School Psychology Internship I	3
PSYC 652 School Psychology Internship II	3
PSYC 653 School Psychology Internship III	3
PSYC 654 School Psychology Internship IV	3
CSDV 605 Social and Cultural Issues	3
Total Semester Hours beyond the MS	39

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*In addition to all work required for the MS.

Spanish

Graduate Faculty

Professor
Guillermo I. Castillo-Feliú

Associate Professors
Barbara Esquivel-Heinemann
Pedro M. Muñoz

Assistant Professors
Aurora Fieugo-Varn

Master of Arts in Spanish
Graduate Program Director:
Sarah F. Stallings, 803/323-2183

Admission Requirements. Admission to the program for the Master of Arts degree in Spanish usually requires the successful completion of 24 semester hours of approved courses in Spanish at the undergraduate or graduate level. Applicants are also required to have an overall GPA of at least 3.0 on a four point scale.

In addition to the general admission requirements to graduate study at Winthrop, applicants must submit scores of 400 or higher on both the verbal and quantitative sections of the General Test of the Graduate Record Examination and submit scores on either the Professional Knowledge section of the PRAXIS 191 of at least 148/200 or on the PRAXIS 192 of at least 161/200.

Application deadlines are April 15 for summer and fall semesters and October 15 for the spring semester.

If the applicant does not fulfill one or more of the above criteria, an interview with the Graduate Faculty in the Department of Modern and Classical Languages will be required for admission consideration.

Note: Non-degree students are not required to meet the MA admission requirements provided they will be taking no more than two graduate courses within the span of five years.

The Master of Arts degree in Spanish requires the completion of at least 30 semester hours of approved graduate-level work. At least half the work presented for the degree must be 600-level courses.

Immediately upon entering the graduate program, the student should develop, with the assigned advisor, an individual program of study which meets the requirements for the degree and the student's objectives.

Required Program	Semester Hours
Spanish Core:	
SPAN 560 Advanced Conversation*	3
SPAN 593 Advanced Oral and Written Communication	3
OR	
SPAN 693 Advanced Grammar and Composition	3
SPAN 601 Great Figures of Spanish Literature	
OR	
SPAN 602 Great Figures of Spanish-American Literature	3
SPAN 610 Advanced Culture and Civilization	
OR	
SPAN 611 Advanced Culture and Civilization of Spanish America	3
SPAN 651 Advanced Phonetics	3
500-600 level SPAN or electives**	9
500-600 level electives or other elective courses approved by the department. **	6
Total Semester Hours	30

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*Native speakers may be exempted from this course in special cases and may be required to substitute another course.

**SPAN 695 and 696 Thesis, 6 hours: students who choose to write a thesis can use credits from either of these areas.

Certificate Program in Gerontology
Program Advisor:
Jennifer Solomon, 803/323-4658

The core content of the program includes current knowledge about the social, psychological and biological changes associated with aging and information concerning programs and services for older people. Students will also be required to take at least one course on aging within and related to their major field of study. Any student currently in good academic standing in the university may be admitted to the program.

The curriculum was created based on standards and guidelines for gerontology programs created by the Association for Gerontology in Higher Education (AGHE). Completion of the requirements for the Certificate in Gerontology will appear on the student's official transcript. Students must maintain a minimum grade point ratio of 2.0 for undergraduate certificate credit. Students interested in the Gerontology Certificate Program must be advised by Dr. Jennifer Solomon, Coordinator of Gerontology Programs. Students enrolling in the Gerontology Certificate Program are required to complete an undergraduate application for admission and be admitted by Dr. Solomon 803/323-4658.

Core Requirements 15 hours	Semester Hours
GRNT 300 Introduction to Gerontology	3
SCIE/GRNT 301 Biology of Aging	3
PSYC/GRNT307 Development II: Adulthood	
OR	
SCWK/GRNT302 Human Development in Social Systems II	3
SOCL/GRNT504 Sociology of Aging	3
GRNT 440 Special Directed Field Study Practicum	3
Electives	3
SOCL/GRNT304 Death and Grief as Social Processes	
SOCL 520 Sociology of Health and Illness	
SCWK 516 Social Work in Long Term Care	
SCWK 536 Seminar on the Aging Family	
NUTR 221 Food and Nutrition	
HLTH 500 Contemporary Health Problems	
INDS 241 Housing and Home Planning	
PSYC 510 Behavior Modification	
HLSM 200 Introduction to Health Services Management	

Total Semester Hours **18**

The College of Business Administration

Dean: Roger D. Weikle
Associate Dean: Martha C. Spears
Director of Graduate Studies:
Peggy Hager
803/323-2409
800/387-1923

Graduate Faculty

Professors

David A. Bradbard
Robert H. Breakfield
Clarence Coleman, Jr.
C. Angela Letourneau, chair
Richard L. Morris
D. Keith Robbins, chair
Marilyn Smith
Gary L. Stone
Edna C. Ward
Roger D. Weikle, dean

Associate Professors

Ravinder K. Bhardwaj
QiDong Jordan Cao
Michael Cornick
Kent E. Foster, chair
Steven Frankforter
Barbara K. Fuller
William W. Grigsby
David E. Letourneau
Louis Pantuosco
Emma J. Riddle
John E. Robbins
William L. Seyfried
Martha C. Spears, associate dean
William I. Thacker
Jane B. Thomas
Han X. Vo

Assistant Professors

Keith Benson
Vanessa Hill
Scott R. Lyman

Mission Statement

Our mission is to provide a quality education to a diverse community of learners through continuous improvement and dedication to excellence in teaching and learning, as well as intellectual contributions and service.

In support of this mission, the College:

- 1. Provides nationally accredited Business Administration (AACSB) and Computer CAC/ABET programs that are strongly student oriented.*
- 2. Provides undergraduate business administration and computer science degree programs that are excellent in quality, contemporary in design and relevant to dynamic business practices.*
- 3. Provides quality graduate programs that serve the changing needs of businesses and the community.*
- 4. Provides effective teaching that promotes lifelong learning and career development.*
- 5. Provides an environment that promotes faculty/student communication.*
- 6. Fosters an understanding and appreciation of cultural similarities and differences.*
- 7. Conducts and disseminates scholarship in business and computer science.*
- 8. Serves the community and businesses through programs and partnerships that enhance the intellectual and economic quality of the region.*

Master of Business Administration Degree.

Winthrop University offers the Master of Business Administration degree in three formats: the evening MBA program, the evening MBA/Accounting emphasis program and the Executive MBA program. The Master of Business Administration degree program is accredited by The Association to Advance Collegiate Schools of Business (AACSB International). AACSB is a specialized accrediting body recognized by the Council on Recognized Postsecondary Accreditation (CORPA).

The Master of Business Administration program provides high quality graduate business education. The program prepares students to assume responsible positions as leaders and team members in the dynamic varied organizations of the twenty-first century. Graduates are prepared to respond to the competitive challenges of the ever-changing global economy.

Students from a diverse range of educational and cultural backgrounds participate in and enhance the educational experience. Nationally accredited, the program is taught by a faculty committed to excellence in teaching and research.

MBA--Evening Program. The evening MBA is a two-phase program of 39 semester hours of required graduate courses. The curriculum includes the MBA core of 30 hours and 9 hours of elective courses. Up to 24 hours of prerequisites may be required, depending upon the individual student's preparation.

Phase I courses involve the development of necessary business tools in the areas of accounting, finance, organizational behavior, communications and statistics. An extensive study in the functional areas of business, including strategic and international issues in management, information systems, marketing and operations management and industrial economics and public policy, is developed in the courses of Phase II.

Admission Requirements. The applicant for admission to the MBA program must show high promise of success in post-graduate business study as measured by undergraduate grades, scores on the Graduate Management Admissions Test (GMAT) and other relevant criteria. An applicant whose baccalaureate degree is from an international institution must present a score of at least 400 on the GMAT. An applicant whose native language is not English must present a score of at least 550 on the TOEFL.

Students desiring to participate in the MBA program who do not have a bachelors degree in business administration from an AACSB accredited college or university, or who have not had appropriate undergraduate training in business administration or economics may be required to complete certain prerequisite courses including the following:

ACCT 280 Accounting I
AND
ACCT 281 Accounting II
OR
ACCT 601 Introduction to Accounting
ECON 215 Microeconomics
AND
ECON 216 Macroeconomics
OR
ECON 609 Survey of Economic Principles
FINC 311 Principles of Finance
MGMT 321 Principles of Management
MKTG 380 Principles of Marketing
QMTB 205 Applied Statistics I

*Students must have a grade of C or better in each of the program prerequisite courses.

The required MBA program includes the following Phase I and Phase II Courses:

Academic Programs - College of Business Administration

Required Program	Semester Hours
Phase I:	
ACCT 654 Management Accounting	3
MGMT 650 Theory and Behavior of Business Organization	3
MGMT 661 Information Systems	3
MGMT 671 Advanced Business Communications	3
QMTN 651 Statistical Methods for Decision Making	3

Phase II:

MGMT 657 Strategic and International Issues in Management	3
FINC 655 Financial Policy Management	3
MKTG 653 Marketing Management	3
MGMT 662 Operations Management	3
ECON 693 Industrial Economics and Public Policy	3
500 and 600 level approved electives (3 hours must be 600 level)	9

Total Semester Hours **39**

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*Students must take MGMT 671, Advanced Business Communication, within the first 12 hours in the MBA program.

**Throughout the MBA program, the faculty and administration are dedicated to providing current and integrated coverage of relevant business concepts and issues.

MBA-Coastal Program. Winthrop University has been approved by the South Carolina Commission on Higher Education to offer its Master of Business Administration program at Coastal Carolina University. Through the use of modern technology and the combined efforts of the Winthrop University and Coastal Carolina University faculties, the Grand Strand region of the state is provided with the same MBA program described above.

Distance learning allows courses that originate from one university campus (Winthrop) to occur simultaneously in a classroom at another university (Coastal Carolina). Classrooms at both campuses are connected via interactive television allowing students on the Coastal Carolina campus to participate in Winthrop graduate classes and vice-versa. Approximately 75% of the courses offered originate from the Winthrop campus and 25% of the courses originate from Coastal Carolina.

MBA-Finance Concentration.

The traditional (general) MBA program is a 39 graduate hour program, including 9 semester of elective. For the MBA/Finance Concentration, a student must enroll in the nine (9) hours of electives as follows:

FINC 665 Financial Statement Analysis	3
Choose two 500-level courses from the following:	
FINC 512 Financial Investments Management	3
FINC 513 Banking and Financial Services	3
FINC 514 International Financial Management	3
ECON 521 International Trade and Investment	3

Applicants will be required to meet the same admission and prerequisite requirements as the traditional program.

MBA-International Concentration. The traditional (general) MBA program is a 39 graduate hour program, including nine semester hours of electives. For the MBA/International, a student must enroll the nine hours of electives as follows:

BADM 600 International Field Experience	3
Choose two 500-level courses from the following:	
ECON 521 International Trade and Investment	3
FINC 514 International Financial Management	3
MGMT 529 International Management	3
MKTG 539 Marketing for Global Competitiveness	3

Applicants will be required to meet the same admission and prerequisite requirements as the traditional program.

MBA-Accounting Emphasis-Evening Program.

The Master of Business Administration/Accounting Emphasis program provides graduate business education of high quality. The MBA/Accounting program prepares students to assume responsible positions as leaders and team members in the dynamic and varied organizations of the twenty-first century. To this end, the program promotes the following objectives: accountability, adaptability, creative thinking, teamwork, communication and accounting expertise.

Students from a variety of educational, managerial and professional backgrounds participate in and enhance the educational experience. Nationally accredited, the program is taught by a faculty committed to excellence in teaching and research.

The evening MBA with an Accounting emphasis is a two-phase program of 33 semester hours of required graduate courses. Depending upon the individual student's preparation, prerequisites may be required.

Admission Requirements. The applicant for admission to the MBA/Accounting emphasis program must show high promise of success in post-graduate business study as measured by undergraduate grades, scores on the GMAT and other relevant criteria.

An applicant whose baccalaureate degree is from a foreign institution must present a score of at least 400 on the GMAT. An applicant whose native language is not English must present a score of at least 550 on the TOEFL.

Students desiring to participate in the MBA/Accounting emphasis program who do not have a bachelors degree in business administration from an AACSB accredited college or university or who have not had appropriate undergraduate training in business administration, accounting or economics may be required to complete certain prerequisite courses including the following:

ACCT 280 Managerial Accounting I
ACCT 281 Financial Accounting
ACCT 303 Accounting Information Systems
ACCT 305 Intermediate Accounting I
ACCT 306 Intermediate Accounting II
ACCT 309 Budgeting and Executive Control
ACCT 401 Introduction to Tax
CSCI 101 Introduction to Computers and Information Processing
ECON 215 Principles of Macroeconomics
and
ECON 216 Principles of Microeconomics
OR
ECON 609 Survey of Economic Principles
ECON 350 Economic and Legal Environment of Organization
FINC 311 Principles of Finance
MGMT 321 Principles of Management
MKTG 380 Principles of Marketing

Students are required to include the following undergraduate courses as prerequisites or the 600-level course as a part of their MBA program:

MGMT 355 Business Communications
OR
MGMT 671 Advanced Business Communications
QMTB 205 Applied Statistics I
and
QMTB 206 Applied Statistics II
OR
QMTB 651 Statistical Methods for Decision-Making
MGMT 341 Information Systems
OR
MGMT 661 Information Systems

MGMT 326 Operations Management
OR
MGMT 662 Operations Management

Academic Programs - College of Business Administration

The MBA/Accounting emphasis requires the following courses:

	<i>Semester Hours</i>
<i>Required Program</i>	
ACCT 606 Advanced Financial Accounting	3
ACCT 607 Tax Research	3
ACCT 609 Advanced Auditing	3
ACCT 610 Advanced Managerial Accounting	3
ACCT 615 Professional Exam Review	0
FINC 655 Financial Policy Management	3
MGMT 650 Theory and Behavior of Business Organization	3
MGMT 657 Strategic and International Issues in Management	3
600-level BADM, FINC, MGMT, MKTG, QMTH	6
500-600 level ECON, FINC, MGMT, MKTG, QMTH	3
Select 3 hours from the following list:	3
ACCT 502 Corporate Tax	
ACCT 505 Advanced Accounting Topics	
ACCT 506 Not for Profit Accounting	
ACCT 509 External Auditing	
ACCT 510 Cost Accounting II	
ACCT 512 Accounting Internship	
<i>Total Semester Hours</i>	33

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

This program applies to students entering under the five-year program. It does not apply to transfers, non-business majors and current Winthrop accounting option students. Each student's academic background will be evaluated and a plan of study developed.

Course substitutions may be made if appropriate. The course of study must include 24 semester hours at the 600 level.

MBA--Executive Program. The Executive Master of Business Administration (EMBA) program provides an opportunity for the experienced professional to obtain a Masters degree in Business Administration with an academic approach that minimizes disruption of either work

or personal pursuits. The program combines diverse learning with real-world experience, resulting in a challenging, stimulating learning environment that proves for maximum return on time and resources invested.

Graduates are prepared to respond to the competitive challenges of the ever-changing global economy. Students from a variety of managerial, professional, and cultural backgrounds participate in and enhance the educational experience. Nationally accredited by AACSB International- The Association to Advance Collegiate Schools of Business, the program is taught by a faculty committed to excellence in teaching and research.

The Executive MBA is a 17-course, 51 semester-hour curriculum offered over a period of four semesters with a summer seminar between the second and third semesters. The EMBA program is a lock-step curriculum with students taking each course as a unit with classes beginning each August. Course content is integrated within each module and coordinated between modules.

Admission Requirements. The applicant for admission to the EMBA program must show high promise of success in post-graduate business study as measured by demonstrated success in business or professional sectors, undergraduate grades and other relevant criteria. Undergraduate training in business administration or economics is not required.

The ideal candidate must possess six to ten years of organizational experience and/or several years in a managerial or senior professional position. All applicants must have earned a bachelor's degree or completed preparation that the Admissions Committee considers equivalent.

Program Requirements. The program of study employs a cumulative approach. Emphasis in the first two semesters (BADM 671 and 672) is placed on the introduction of advanced concepts and methods as they apply to the management of organizations. Emphasis in the last two semesters (BADM 673 and 674) is on the integration of these concepts and methods into the organization's policy formulation and strategic planning process. Personal productivity software is an integral part of the curriculum and is used as a management tool.

A student must achieve a minimum of 2.5 grade-point average after the first semester to begin the second semester. A grade-point average of at least 2.75 is required after the second semester to continue the program.

Required Program	Semester Hours
BADM 671 EMBA Module 1 Introduction to Accounting Statistical Methods for Decision-Making Principles of Economics Managerial Communications in a Changing Environment	12
BADM 672 EMBA Module 2, Financial Policy Technology and MIS Integrated Business Modeling Marketing Management	12
Summer elective Choose one of the following: BADM 580 Financial Market Seminar BADM 600 International Field Experience BADM 680 Research Project 500-600 level business elective	3
BADM 673 EMBA Module 3, Operations Management Values-Based Leadership and the Use of Influence in Organizations Global Business Financial Statement Analysis	12
BADM 674 EMBA Module 4, Sustainable Development in Organizations Managerial Economics Human Resource as Competitive Advantage Strategic Management	12
Total Semester Hours	51

Master of Science in Software Development.

The software industry has a significant demand for professionals trained in the specialized area of development and maintenance of computer software, and the management of the professional processes involved in software development. The term "software engineering" is now used to encompass these principles, techniques and activities.

Admission Requirements. The applicant for admission to the Master of Science in Software Development (MS SD) program must show high promise of success in graduate study in software development as measured by undergraduate grades, official scores on either the general test of the Graduate Record Exam (GRE) verbal and quantitative sections, or Graduate Management Test (GMAT) and other relevant criteria. An applicant whose baccalaureate degree is from an international institution must present a satisfactory score of 1000 on the GRE or a score of at least 400 on the GMAT.

An applicant whose native language is not English must present a score of at least 550 on the TOEFL.

Students desiring to participate in the MS SD program who do not have a baccalaureate degree in computer science or computer information systems from a regionally accredited college or university, or who have not had an appropriate undergraduate training in a computing field may be required to complete certain prerequisite courses.

Prerequisite courses:

CSCI 475 Software Engineering*
ACCT 280 Managerial Accounting
MGMT 341 Information Systems (may
be satisfied by professional
experience)
QMTB 205 Applied Statistics I

*CSCI 475 has prerequisites.

Academic Programs - College of Business Administration

Required Program	Semester Hours
CSCI 620 Software Design and Architecture	3
CSCI 621 Software Project Management	3
CSCI 626 Software Quality Assurance	3
CSCI 680 Software Development	3
CSCI elective above 499	3
CSCI elective above 499	3
QMTN 651 Statistical Methods	3
ACCT 654 Management Accounting	3
Choose from the following:	6
CSCI above 499	
FINC 500-600 level	
ACCT 510 Advanced Cost	
MKTG 533 Marketing Research	
MGMT 523 Collective Bargaining and Labor Relations	
MGMT 524 Employment Law	
MGMT 526 Compensation and Benefits Analysis	
MGMT 625 Entrepreneurship and New Venture Management	
MGMT 650 Theory and Behavior of Business Organization	
Total Semester Hours	30

Graduate Certificate in Software Project

Management. The Graduate Certificate in Software Project Management (GCSPM) is a program intended to provide professionals in the software or computing industries, or students with undergraduate degrees in computer science, with a foundation of knowledge and experience in the concepts and techniques of management with particular application to the problems of managing software development projects.

Admission Requirements. An applicant must satisfy the admissions requirements of the Master of Business Administration program to be admitted to the GCSPM program. In addition the following prerequisites are also required:

Prerequisite courses:

CSCI 207	Introduction to Computer Science
ACCT 280	Managerial Accounting
QMTN 205	Applied Statistics I
MGMT 341	Information Systems

Required Program	Semester Hours
CSCI 621 Software Project Management	3
MGMT 650 Theory and Behavior of Business Organizations	3
QMTN 651 Statistical Methods for Decision Making	3
Choose 3 hours from the following:	3
CSCI 514 Control & Audit of Info Systems	
CSCI 611 Bus. Process Reengineering Using Object & Internet Tech.	
CSCI 626 Software Quality Assurance	
Choose 3 hours from the following:	3
CSCI above 499	
MGMT 661 Information Systems	
MGMT 671 Advanced Business Communications	
Total Semester Hours	15

The Richard W. Riley College of Education

Dean: Patricia L. Graham

Associate Dean: Caroline Everington

Director of Graduate Studies:

Mark W. Dewalt

803/323-2151

Graduate Faculty

Professors

Carol S. Anfin

Charles J. Bowers

Steveda Chepko, chair

Carole deCasal, chair

Mark W. Dewalt, director

Caroline Everington, associate dean

Patricia L. Graham, dean

Betty Lou Land

Donald C Lueder

Steven K. Million

Terry L. Norton

Johnny Sanders Jr.

Peggy P. Whiting

Associate Professors

E. Ray Dockery

Rebecca B. Evers

Susan K. Green

Richard C. Ingram

Bessie A. Moody-Lawrence

Sue Peck, chair

Linda Schoonmaker

Sue Spencer

Everett S. Stallings

Jonatha W. Vare, director

Sandra Wilson

Assistant Professors

Barbara R. Blackburn

Rachel Collopy

Wendy Dover

Christine J. Ferguson

Shelley D. Hamill

Melody Horton

Marshall G. Jones

Carol A. Marchel

Alice McLaine

Carol P McNulty

David H. Vawter

Brad Witzel

Mission Statement

The Richard W. Riley College of Education is dedicated to the highest ideals of teaching, scholarship and services. The College meets this mission through the preparation of professionals who are committed to the betterment of society through a lifelong quest for excellence in learning, leadership, stewardship and the communication of ideas.

Educator as Leader

A Conceptual Framework for the Advanced Education Programs

The conceptual framework for advanced education programs builds on the skills developed in undergraduate programs or through professional experiences and is organized around three concepts: 1) Leadership, 2) Scholarship and 3) Stewardship. One's knowledge of these concepts and one's ability to perform effectively in these areas are measured through a series of learning outcomes. These learning outcomes build upon candidates' existing and emerging knowledge base and lead to an advanced understanding of their respective program areas. These learning outcomes are also designed to maintain relevance and adherence to professional, state, national and institutional standards.

While *Educator as Leader* is the overarching theme of all programs, the term "educator" has been expanded at the advanced level to include a broader population of professionals including but not limited to teachers, school administrators, psychologists, health professionals, counselors and coaches. These educational leaders have a central role in helping all students reach their potential through learning experiences in the school environment.

Leadership

Learning Outcomes:

The advanced educational leader:

1. examines educational policy and demonstrates a familiarity with how such policy is developed and implemented.
2. evaluates oneself as an educational leader through knowledge, reflection and professional discourse.
3. analyzes contemporary issues, reforms and renewal strategies and applies an understanding of these to one's profession.
4. applies technology to professional roles and functions.
5. promotes an appreciation and understanding of diversity in families and society.
6. demonstrates the ability to apply problem-solving strategies in diverse situations -e.g., conflict resolution, program development.
7. applies current theories to enhance individual learning of others and promote professional development.
8. demonstrates skills and commitment needed to communicate effectively with students, professional colleagues, families and community leaders.
9. values collaboration with colleagues, families and the larger professional community.
10. advocates for the development of individuals to their full potential.

Scholarship

Learning Outcomes:

The advanced educational leader:

1. demonstrates an understanding of research terminology, concepts and practices as presented in the professional literature.
2. analyzes, synthesizes, interprets and disseminates current and historical research and practices.
3. integrates knowledge and practice derived from professional research into various professional settings to enhance individual growth.
4. generates research questions that focus on extending current thought and theory and interprets and applies results of research.
5. generates research questions that focus on the application of content knowledge and methodologies.
6. demonstrates an understanding of a variety of research methodologies, measurements, analysis procedures, and interpretation/communication of results.
7. selects and applies appropriate methodologies to answer research questions.
8. appreciates the value of using research to inform practice.
9. uses technology resources to collect, analyze, synthesize and evaluate information and data.
10. models lifelong learning.
11. enhances specific knowledge in content areas.

Stewardship

Learning Outcomes:

The advanced educational leader:

1. appreciates and articulates the ethical implications surrounding contemporary educational issues.
2. analyzes how antecedents (previous events) contribute to current issues.
3. understands the interrelationships among issues related to society, schooling, the organization and administration of schools and professional organizations.
4. advocates full and appropriate access to public education and human services for people with special needs and their families.
5. examines and makes appropriate professional decisions based on an advanced understanding of ethics and laws.
6. demonstrates the ability to construct a supportive, well-managed, motivational learning environment that promotes equal access to education for people from diverse cultural backgrounds.
7. develops school curricula based and/or educational interventions based on contemporary theories of learning and development, applicable technology, collaborative discourse and evaluation.
8. works towards solutions to key educational issues that are founded on contemporary research, public policy and best practice.
9. evaluates, clarifies and refines personal philosophy of professional practice.
10. links personal philosophy and professional practice to historical, legal, social, philosophical, and psychological foundations and developments in the profession.
11. cares for and relates to students, families and the larger learning community.

The Richard W. Riley College of Education

offers graduate programs leading to the Master of Science degree in physical education; the Master of Education degrees in educational leadership, curriculum and instruction, counseling and development, middle level education, reading and special education; and the Master of Arts in Teaching. The Master of Arts in Teaching degree is an initial certification program in art, biology, business/marketing, English, family and consumer sciences, French, mathematics, music, physical education, Spanish and social studies.

Graduate study leading to certification is also available for the following professional areas: guidance counselor (elementary and secondary), principal (elementary and secondary), reading teacher and reading consultant. School psychologist (levels I and II) certification programs are offered by the Department of Psychology in the College of Arts and Sciences.

An applicant for admission to a graduate program in the Richard W. Riley College of Education must meet the specific admission requirements of that program in addition to the general requirements for admission to graduate study. (Specific entrance requirements are listed under the individual programs in the Education Degree Programs section.) Admission to programs in the Richard W. Riley College of Education is competitive.

Graduate candidates admitted to graduate study in education at Winthrop University must meet one or more of the following requirements to achieve full graduate status (G) in a degree program: an overall undergraduate grade-point average of at least 3.0 on a 4.0 scale in undergraduate work, an acceptable score on a Specialty Area Test of the PRAXIS examination and an acceptable score on the verbal and quantitative sections of the General Test of the Graduate Record Examination or the Miller Analogies Test (MAT). (Refer to the appropriate section for specific requirements for each program.)

Practicum Courses. In order to enroll in a graduate practicum course in the Richard W. Riley College of Education, a graduate candidate must have:

1. Completed a minimum of six hours graduate course work at Winthrop within the program area of the practicum;
2. Completed specific prerequisites for the practicum; and
3. Maintained continued good standing in the program (minimum of 3.0 grade-point average).

Certification. All candidates seeking initial or advanced certification should note that satisfactory completion of the appropriate Specialty Area test of PRAXIS examination must be completed prior to being certified by the South Carolina State Department of Education. Candidates should check for specific PRAXIS requirements related to their respective degrees with the Chair of the Department.

At least half of the total semester hours submitted for the advanced degree must be 600-level courses.

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required in each program. Check with advisor.

Accreditations

The Richard W. Riley College of Education is proud of its accreditations and affiliations. The Teacher Education Program at Winthrop University is accredited by the National Council for Accreditation of Teacher Education (NCATE) at the graduate level for its Master of Science, Master of Education and the Master of Arts in Teaching degrees. All teacher education programs are approved by the South Carolina State Board of Education. Recognition by these agencies affords graduate candidates who complete teacher preparation at Winthrop University the opportunity to apply for reciprocal certification with the majority of states in the nation.

Center for Pedagogy

Master of Arts in Teaching

Graduate Program Advisor:

Jonatha Vare, 803/323-2115

The Master of Arts in Teaching (MAT) is designed to prepare individuals who are seeking initial certification to be a classroom teacher. Graduate candidates may pick one of the following areas of certification at the high school level: biology, business/marketing, English, family and consumer sciences, French, mathematics, Spanish or social studies; or graduate candidates may pick one of the following areas for certification in grades K-12: art, music or physical education.

Conceptual Framework

The conceptual framework for the initial graduate licensure program consists of six related concepts. The six concepts are 1) Instruction, 2) Subject Area Content, 3) Learners, 4) Society, 5) Curriculum and 6) Scholarship.

The conceptual framework of Teacher as Education Leader moves those preparing for educational careers through a program committed to self-discovery and pedagogical study. The commitment requires the candidate to search for a deeper understanding of self and others while examining the moral, social and political implications of teaching and learning in a democracy. This search is conducted through a model which includes faculty from the College of Arts and Sciences, the College of Visual and Performing Arts, the College of Business, the College of Education and school professionals working collaboratively with each other and teacher candidates to explore the ever-changing roles and responsibilities of leaders in today's society.

To ensure knowledge of content, MAT teacher candidates are required to achieve the South Carolina passing score on the PRAXIS II Specialty Area Examination prior to the internship semester. Candidates for the MAT in Spanish and French must achieve a passing

score on the PRAXIS II Specialty Area Examination prior to admission to the program. In addition, successful graduates must obtain a satisfactory score on the PRAXIS II Principles of Learning and Teaching before earning teacher certification.

MAT teacher candidates must demonstrate dispositions that reflect the highest standards of the profession as they relate to students, their families, and their communities. The Richard W. Riley College of Education has established appropriate criteria for professional dispositions in the following areas: professional commitment; communication skills; interpersonal skills; classroom personality; emotional make-up; and academic integrity. Further information about the criteria is distributed to teacher candidates in a dispositions booklet.

The MAT curriculum covers a variety of subjects from professional core courses to courses specific to the graduate candidate's content area. Acquired competencies emphasized in this program will enable graduates to assume leadership roles in their classrooms, departments and schools.

Admission Requirements. Graduate candidates who hold a baccalaureate degree from an accredited college or university in the content field where certification is sought or who have completed a baccalaureate degree which includes content area course work equivalent to the undergraduate certification requirements at Winthrop University for certification in the specified content field may enroll in the MAT degree program. Graduate candidates who do not meet all undergraduate certification requirements will be required to complete additional course work. Admission requirements for graduate degree status include:

1. An Admission Index Score of eight. (The Admission Index Score is derived by a formula-based computation of the graduate candidate's undergraduate grade-point average (GPA) and a score on the General Test of the Graduate Record Examination (verbal and quantitative sections);

2. Submit an official GRE score of at least 400 on both the verbal and quantitative sections of the exam; and
3. Satisfactory completion of a writing sample as prescribed by the MAT program director; and
4. Applicants to the MAT degree in Spanish or French must submit the South Carolina passing score on the PRAXIS II Specialty Area Examination.

Master of Arts in Teaching GPR and GRE Score Requirements. A graduate candidate must score at least 400 on the verbal portion of the GRE and at least 400 on the quantitative portion of the GRE and have a combined score on these portions of the GRE of at least 800. Only when these criteria are met may an applicant use the tables below to determine the Admission Index Score. A graduate candidate must score at least 8 for admission to the MAT program. The Admission Index Score is a combination of one's derived scores in parts "a" and "b" below.

- a. Use the following table to determine the derived score for the GRE:

GRE Score	Derived Score
1500-1590	9
1400-1490	8
1300-1390	7
1200-1290	6
1100-1190	5
1000-1090	4
900-990	3
850-890	2
800-840	1
Below 800	0

- b. Use the following tables to determine the derived score for the undergraduate GPA. If the undergraduate degree was conferred five or fewer years ago, use the derived score in Table 1. If the undergraduate degree was received more than five years ago, Table 2 should be used.

Table 1

Five years ago or less	
3.5 or above	9
3.00-3.49	8
2.85-2.99	7
2.75-2.84	6
2.60-2.74	5
2.40-2.59	4
2.15-2.39	3
2.10-2.14	2
Less than 2.10	0

Table 2

More than 5 years	
3.25 or above	9
2.75-3.24	8
2.60-2.74	7
2.50-2.59	6
2.35-2.49	5
2.15-2.34	4
2.10-2.14	3
2.00-2.09	2
Less than 2.00	0

The “a” derived score plus the “b” derived score equals the Index Score.

Admission to Teacher Education. During the semester the graduate candidate will complete a total of 12 hours of graduate coursework, graduate candidates must be formally admitted to the Teacher Education Program. For admission graduate candidates are required to have completed no fewer than 6 hours of required education courses and at least 3 hours of content coursework. For formal admission to teacher education, the graduate candidate must:

1. Achieve a cumulative 3.0 grade-point average in graduate course work;
2. Complete an application requesting formal admission to teacher education that includes an analysis of learning thus far in the MAT Program;
3. Complete a minimum of 25 hours of supervised Youth Experience with graduate candidates within the age range of the certification level sought e.g. grades K-12 or 9-12;
4. Submit a program of study that indicates the planned semester for MAT internship; and
5. Complete an interview with two professors (one from Education and one from the graduate candidate’s specialty area) resulting in a favorable admission recommendation to the Dean of Education.

Graduate candidates may not complete more than 18 hours of graduate coursework without full admission to Teacher Education. When criteria have been met, the graduate candidate will receive a signed certificate of formal

admission. Additional requirements may be referenced in the Teacher Education Handbook and the Internship Handbook.

Student Internship. Graduate candidates must be formally admitted no later than one full semester prior to student teaching. A disclosure form regarding criminal activity or campus misconduct must be submitted with the application. Graduate candidates must also complete an application for the semester-long internship prior to the internship and must achieve the South Carolina passing score on the PRAXIS II Specialty Area Examination. Applications are due September 15 for the spring internship and January 15 for the fall internship.

		Semester Hours
Required Program		
EDUC 600	Teaching in a Democracy	3
EDUC 601	Psychology Applied to Teaching	3
EDUC 602	Technology for the 21 Century Classroom	2
EDUC 605	Educational Assessment	3
EDUC 660	Effective Teaching Strategies*	3
READ 645	Teaching Content Area Reading**	3
SPED 610	Teaching Exceptional Learners In Inclusive Settings	3
EDUC 690	School Internship	8
EDUC 695	Capstone	1
500-600 level AREA Content Courses***		12
500-600 level AREA Teaching Methods		3
500-600 level AREA Field Experiences		1
Total Semester Hours		45

MAT Content Areas

art (K-12)	music (K-12)
biology	business/marketing
English	family and consumer sciences
French	mathematics
physical education (K-12)	
social studies	Spanish

*Competencies in this course may be covered in content area courses, graduate candidates should confer with their advisor before enrolling for this course.

** Competencies in this course may be covered in Art, Music or Physical Education courses, graduate candidates should confer with their advisor before enrolling for this course.

***Because content studies are a major component of this degree, graduate candidates are expected to complete all pedagogical courses, all required prerequisites and no fewer than 9 semester hours of content study prior to supervised teaching. A course in methodology specific to the content area must be included.

Content area courses must be completed in the area in which the graduate candidate is seeking certification. In some cases, this requirement may result in additional undergraduate course work.

Program Completion. To complete the program graduate candidates must meet the following criteria: a) successful completion of a minimum of 45 semester hours of graduate coursework, b) successful completion of all required coursework, c) maintenance of a minimum grade point average of 3.00, d) successful completion of all field experiences and internships, and e) completion of the Praxis II series examination in the graduate candidate's area of specialty (passing score required) and the Principles of Learning and Teaching (PLT).

At the end of the internship semester, a program area committee completes a competency review of each intern's performance and recommends exit from the program. Exit criteria include the following: (a) passing scores on rubrics for final portfolio documents, midterm and final internship evaluations, and rubrics for unit work samples; (b) satisfactory review of any Professional Dispositions and Skills Forms; and (c) a minimum grade point average of 3.0.

The following signatures will be on the recommendation for exit from the program:

1. Program area designee
2. Department chair in major
3. Director of the Center for Pedagogy
4. EDUC 695 Faculty member

5. University supervisor
6. Mentor-teacher from the final internship (optional) (If there is a discrepancy, the mentor-teacher may be asked to sign the recommendation also.)

A signed recommendation for exit from the program is required in addition to items specified for program completion in the Graduate Catalog.

A passing score at the multi-structural level is required for portfolio documents and the unit work sample.

Counseling and Leadership

***Master of Education in Educational Leadership
Graduate Program Advisor:
Carole deCasal 803/323-4725***

Graduate study in educational leadership leads to a Master of Education (MEd) degree in educational leadership. The MEd program prepares graduate candidates to work as elementary and secondary school principals.

Admission Requirements. The application deadline is February 1 for summer and fall admission. Applicants for admission to the Master of Education program in educational leadership must hold a bachelor's degree from an accredited college or university and must meet the following requirements to be eligible for consideration:

1. Submit the Application for Graduate Admission including a statement of goals;
2. Submit a verified copy of a current South Carolina State Department of Education Class III Professional Certificate or the equivalent from another state;
3. Submit evidence of three years of teaching experience;

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4. Have an undergraduate grade-point average of 2.75 on a 4.0 scale in the last 60 hours of the graduate candidate's undergraduate course work;
5. Submit an official score of 900 or above on the General Test of the Graduate Record Examination (verbal and quantitative portions) or an official score of 38 or above on the Miller Analogies Test (MAT);
6. Present two letters of recommendation to include a recommendation from the applicant's current principal and current superintendent; and
7. Complete a pre-entrance assessment based on the 21 standards of the National Policy Board for Educational Administration. (Interview, presentation, portfolio and writing sample)

Admission to the graduate program in educational leadership is based upon the faculty's recommendation to the Chair of the Department of Counseling and Leadership. The faculty considers all of the requirements previously listed in addition to the candidate's application, career goals and previous accomplishments. No one criterion will exclude a candidate from consideration for admission.

Required Program	Semester Hours
Professional Core:	
EDUC 640 Educational Research, Design and Analysis	3
EDUC 670 Schooling in American Society	3
EDUC 681 Advanced Educational Psychology	3
Specialty Studies:	
EDLD 601 Leadership	3
EDLD 602 Techniques of Supervision	3
EDLD 603 Curriculum Leadership in Schools	3
EDLD 604 Principalship for the 21 st Century	3
EDLD 610 Fiscal and Business Management in Schools	3
EDLD 611 School Law	3
EDLD 616 School Personnel Development	3

EDLD 613 Preparing Leaders to Serve Students with Special Needs	3
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Internship:

EDLD 620 Internship I	3
EDLD 621 Internship II	3
EDLD 622 Internship III	3

Total Semester Hours	42
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To be eligible to graduate, a graduate candidate must complete all course and field experience requirements and submit a Portfolio containing documentation that they have successfully demonstrated proficiency in the 21 standards of the National Policy Board for Educational Administration deemed essential for those preparing to become principals. The Portfolio must be approved by the faculty advisor and the department chair.

To be recommended for certification, the candidate must receive a score of 590 or above on the administration section of the PRAXIS Examination.

Master of Education in Counseling and Development

Unit Head and Graduate Program Advisor:
Johnny Sanders, Jr. 803/323-4725

Graduate study in counseling and development leads to a Master of Education degree in either community or school counseling. The Master of Education degree in counseling and development requires completion of at least 51 semester hours of approved graduate-level work.

The Council for Accreditation of Counseling and Related Educational Programs (CACREP), a specialized accrediting body recognized by the Council for Higher Education Accreditation (CHEA), has conferred accreditation to the following program areas in the Department of Counseling and Leadership at Winthrop University: Community Counseling (MEd) and School Counseling (MEd).

The school counseling program prepares graduate candidates to work as counselors in P-12 school settings.

The community option prepares the graduate candidate to work in a variety of human services settings including mental health centers, substance abuse centers, vocational rehabilitation, adult probation and parole, employee assistance programs, youth court services, crisis counseling centers, career centers and other community agencies offering counseling services.

In view of the responsibilities of the counselor in both school and community settings, graduate candidates whose course work does not reflect scholarship or who demonstrate personal qualities not conducive to the role of the counselor may not be recommended either for matriculation or continuation in the program.

Admission Requirements. The applicant for admission to either Counseling Program must possess a bachelor's degree from an accredited college or university and provide official General Test scores on the Graduate Record Examination (combined verbal and quantitative score of 800 preferred) or Miller Analogies Test scores (score of 40 preferred) to the Graduate Studies Office. Additionally the applicant must submit an Application for Graduate Admission, a separate Counseling and Development Program Student Questionnaire and three letters of recommendation.

Finalists for admission are required to participate in a pre-entrance interview with the Counseling and Development Admissions Committee. ***Admission to the Counseling and Development Program is competitive.***

Graduate candidates applying for admission to the program must submit their application materials to the Graduate Studies Office by February 1. Pre-entrance admission interviews will be conducted during the month of March. Applicants will receive notification of the Admissions Committee's decision from the Graduate Studies Office by April 15. Graduate candidates who are admitted to the program will begin their classes in Maymester.

Final admission decisions cannot be made until all application information has been received and the pre-entrance interview has been successfully completed. Applicants submitting incomplete materials after the above deadlines will not be considered for admission.

The Counseling and Development Program restricts enrollment in its courses to graduate candidates who have been fully admitted to the program. If space is available, graduate candidates may take counseling courses to satisfy professional obligations. Non-degree students seeking admission into restricted courses must obtain consent from the Department of Counseling and Leadership.

Comprehensive Examinations. Graduate candidates must successfully pass a written comprehensive examination in the final semester of study. Application for the comprehensive examination is made when the graduate candidate registers for the counseling internship.

Endorsement of Students. Graduate candidates who successfully complete all their curricular and clinical training requirements for the Master's of Education degree will receive formal endorsement in their area of specialization by the faculty.

Formal endorsement includes recommendation for state certification and/or national certification in settings consistent with the training provided in their programs. In cases in which a certifying body allows a graduate candidate to sit for a certification examination, the program faculty shall endorse the graduate candidate as a candidate for that examination if the graduate candidate has completed that portion of the program required by that certifying body.

Certification and Licensure. Graduates in the school counseling program can meet requirements for either the South or North Carolina School Counseling Specialty Certificate. Graduates may apply to the National Board of Certified Counselors (NBCC) to take the National Counselor Examination (NCE) prior to graduation from the program.

The School Counseling Program is designed to meet the standards for certification as an elementary and/or secondary counselor

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established by the South Carolina State Department of Education or the North Carolina Department of Public Instruction. Upon completion of the program and achieving the required score on the National Teacher Examination PRAXIS Area Test in School Guidance and Counseling, graduate candidates are eligible to receive certification as an elementary and/or secondary school counselor.

The Community Counseling Program is designed to meet the academic coursework and supervised field experience requirements for state licensure as a Licensed Professional Counselor in South and North Carolina. Community track students may also complete the National Counselor Exam in the last semester of study. These experiences enable a student to significantly advance towards licensure by graduation. Successful students will have only the post Master's supervised apprenticeship to be eligible for endorsement as a Licensed Professional Counselor.

MEd CSDV	Semester
Community Counseling	Hours
Required Core Courses:	
CSDV 600 Professional Orientation Seminar	1
CSDV 601 Fundamentals of Counseling	3
CSDV 602 Pre Practicum Lab	2
CSDV 603 Career and Lifestyle Development	3
CSDV 605 Social and Cultural Issues	3
CSDV 606 Group Counseling	3
CSDV 609 Practicum Seminar	3
CSDV 610 Advanced Practicum	3
CSDV 611 Counseling Internship I	3
CSDV 612 Counseling Internship II	3
CSDV 614 Lifespan Developmental Counseling	3
CSDV 607 Appraisal of the Individual	3
EDUC 640 Educational Research, Design and Analysis	3
Environmental Emphasis:	
CSDV 604 Orientation to Community Counseling	3
Specialized Studies:	
CSDV 608 Loss and Grief Counseling	3

Electives:	
500-600 level approved electives	9
Total Semester Hours	51

MEd CSDV	Semester
School Counseling	Hours
Required Core Courses:	
CSDV 600 Professional Orientation Seminar	1
CSDV 601 Fundamentals of Counseling	3
CSDV 602 Pre Practicum Lab	2
CSDV 603 Career and Lifestyle Development	3
CSDV 605 Social and Cultural Issues	3
CSDV 606 Group Counseling	3
CSDV 609 Practicum Seminar	3
CSDV 610 Advanced Practicum	3
CSDV 611 Counseling Internship I	3
CSDV 612 Counseling Internship II	3
CSDV 607 Appraisal of the Individual	3
CSDV 614 Lifespan Developmental Counseling	3

Environmental Emphasis:	
CSDV 613 Orientation to Elementary and Secondary School Counseling	3

Education Foundations/Core:	
EDUC 640 Educational Research, Design and Analysis	3
EDUC 670 Schooling in American Society	3
EDUC 681 Advanced Educational Psychology	3

Electives:	
500-600 level approved electives	6
Total Semester Hours	51

Curriculum and Instruction

**Master of Education in
Curriculum and Instruction
Graduate Program Advisor:
Sue Peck, 803/323-2158**

The Master of Education in Curriculum and Instruction is designed to meet the professional development needs of teachers in contemporary schools. The program has three options (graduate candidates choose one), and is aligned in part with the National Board of Professional Teaching Standards and addresses the critical issue of accountability in educational settings.

Candidates in the MEd in Curriculum and Instruction will have multiple clinical experiences and application is expected throughout the program. Access to a public school classroom is required.

Admission Requirements. To be eligible for admission to the Master of Education degree program in Curriculum and Instruction with graduate status, the applicant must submit the following criteria:

1. Evidence of two years successful teaching experience;
2. Copy of current South Carolina State Department of Education Class III Professional Certificate or the equivalent from another state;
3. Official score of 900 or above on the General Test of the Graduate Record Examination (verbal and quantitative portions) or 2.75 undergraduate GPA;
4. Statement of professional goals; and
5. Two letters of recommendation, one from principal (or other instructional supervisor) and at least one professional educator who has observed the applicant teach. Letters should reflect work with children and address the applicant's leadership potential.

Required Program	Semester Hours
Professional Core Courses:	
EDUC 640 Educational Research, Design and Analysis	3
EDUC 670 Schooling in American Society	3
EDUC 681 Advanced Educational Psychology	3

Curriculum and Instruction Core Courses:

EDCI 635	Using Data to Improve Teaching and Learning	3
EDCI 636	Contemporary Issues and Trends in Curriculum and Instruction	3
SPED 681	Educational Implications for the Exceptional Individual	3
EDUC 650	Teaching and Learning with the Internet	3
OR		
EDUC 651	Connecting Curriculum and Technology	3
EDCI 637	Capstone: Advanced Field Placement	3
OR		
EDCI 695	Thesis	3

Choose One Option: 12

Early Childhood Education

ECED 631	Home-School-Community Collaboration	
ECED 660	Emergent Literacy and the Integrated Curriculum	
ECED 661	Contemporary Issues in Early Care and Education	
ECED 636	Early Childhood Development and Implications for Developmentally Appropriate Practices	

OR

Elementary Education

ELEM 631	Science in the Elementary School	
ELEM 636	Problems in Teaching Mathematics	
ELEM 641	Social Studies in the Elementary School	
READ 621	Advanced Strategies for Teaching the Integrated English Language Arts	

OR

Secondary Education

EDCI 611	Curriculum Development and Instructional Strategies	
500-600 level approved content courses		9

Total Semester Hours 36

Master of Education in Middle Level Education

Graduate Program Advisor:

Barbara Blackburn, 803/323-2478

The Master of Education in middle level education is designed to provide the necessary young adolescent pedagogy and subject matter content needed by licensed teachers to be effective educators in middle grades. Courses emphasize the characteristics of middle age children, varying instructional strategies necessary to teach this age group and current content being taught in middle schools. Graduates of the MEd in middle level education will be prepared to be curriculum and instructional leaders in contemporary middle schools.

Admission Requirements. Admission to the MEd in middle level education requires the applicant to:

1. Have an undergraduate grade-point average of minimum 2.75 on a 4.0 scale in the last 60 hours of the graduate candidate's undergraduate course work OR submit an official score of 900 or above on the combined verbal and quantitative portions of the General Test of the Graduate Record Exam (GRE).
2. Submit a verified copy of a current South Carolina State Department of Education Class III Certificate or the equivalent from another state.
3. Submit official transcripts (sent directly to Winthrop University from the issuing institution) for evaluation. Additional undergraduate course work may be required to strengthen the applicant's academic credentials.
4. Present two letters of recommendation to include a recommendation from the applicant's current principal, assistant principal or other supervisor/professional educator.

Required Program **Semester Hours**

Professional Core Courses:

EDUC 640	Educational Research, Design and Analysis	3
EDUC 670	Schooling in American Society	3
EDUC 681	Advanced Educational Psychology	3

Education Core Courses:

EDCI 600	Philosophy, Organization and Curriculum of the Middle School	3
EDCI 610	Early Adolescence in Contemporary Society	3
EDCI 620	Content Literacy in Middle School	3
EDCI 630	Pedagogy and Assessment in the Middle School	3
EDCI 690	Capstone and Advanced Field Experiences in the Middle School	3

Disciplinary Focus* 12-15

Total Semester Hours **36-42**

*Degree candidates will select courses, with approval from their advisors, from one or more of the following areas: language arts, mathematics, science and social studies. The number of hours is flexible to reflect National Middle School Association/NCATE-Approved Guidelines which stipulate that programs must meet the curricular needs of graduate candidates with varied professional backgrounds and experiences.

Master of Education in Reading

Graduate Program Advisor:

Betty Lou Land, 803/323-2158

The Master of Education degree in reading is designed to better prepare the certified classroom teacher for literacy instruction. Graduates of this program must meet course requirements for certification as a reading teacher. In addition, graduates will have satisfactory scores on the PRAXIS (The

Introduction to the Teaching of Reading Specialty Area Test) examination. Graduate courses are also available to enable the certified teacher to meet certification requirements for reading consultant.

Admission Requirements. Applicants requesting admission to the Master of Education degree program in reading must:

1. Have completed a course in the teaching of reading;
2. Submit a verified copy of a current South Carolina State Department of Education Class III Certificate or the equivalent from another state;
3. Document one year of successful teaching experience. Applicants who have not taught are placed for 30 hours of observation and/or participation in a classroom or in a variety of instructional settings.
4. Have an undergraduate grade-point-ratio of 2.75 on a 4.00 scale OR a combined score of 900 (verbal and quantitative) on the GRE.
5. Successfully complete a reading-specific writing sample.

Required Program	Semester Hours
Professional Studies	
EDUC 640 Educational Research, Design and Analysis	3
EDUC 670 Schooling in American Society	3
EDUC 681 Advanced Educational Psychology	3

Professional Supportive Courses:(at least one of these course must be completed prior to enrollment in READ 671.)

READ 621 Advanced Strategies for Teaching the Integrated English Language Arts	3
READ 645 Teaching Content Area Reading	3

Specialty Area Studies (must be taken in sequence)

READ 661 Methods and Materials for Reading Instruction	3
READ 671 Diagnosis and Correction of Reading Difficulties in the Classroom	3
READ 691 Practicum in the Teaching of Reading	3
READ 681 Organization and Supervision of Reading Programs	3
Select one from the following:	3
READ 510 Literature for Children	
READ 611 Issues in Teaching Literature for Children and Young Adults	

Directed Electives (6 hours) *

Candidates are encouraged to choose electives from the following: EDCI 600 or EDCI 611, SPED 561, SPED 583, SPED 626, SPED 663, READ 561 or READ 571, READ 541, READ 623, EDUC 650.

Total Semester Hours **36**

Directed Electives must be planned with the approval of the candidate's advisor.

**Master of Education in Special Education Graduate Program Advisor:
Wendy Dover, 803/323-2446**

The Master of Education degree in special education prepares the educational leader to deliver family-centered services for families and their children with disabilities. There is an expectation that graduate candidates will participate and complete the program as part of a cohort group (a group of students who enroll in the same course sequence during specified times). Classes will be offered based on this model.

Academic Programs – College of Education

To be eligible for admission to the Master of Education degree program in special education, the applicant must:

1. Submit a verified copy of a current South Carolina State Department of Education Class III Certificate or the equivalent from another state;
2. Submit a verified copy of the Specialty Area test of the PRAXIS Examination for the current area of certification or the South Carolina Teaching Area Examination; and
3. Pass a writing sample examination administered by faculty members in the special education program. Call the College of Education at 803/323-2151 to schedule an appointment.
4. Have an undergraduate grade point average of 2.75 on a 4.0 scale in the last 60 hours of the graduate candidate's undergraduate coursework or an official score of 900 or above on the General Test of the Graduate Record Examination (verbal and quantitative portions).

Required Program	Semester Hours
Professional Core Courses:	
EDUC 640 Educational Research, Design and Analysis	3
EDUC 670 Schooling in American Society	3
EDUC 681 Advanced Educational Psychology	3
Professional Studies:	
SPED 613 Issues and Trends in Special Education	3
SPED 618 Lifelong Integration	3
SPED 663 Advanced Study of Methods for Teaching Exceptional students	3
SPED 671 Advanced Educational Assessment in Special Education	3
SPED 695 Thesis	3
OR	
SPED 694 Advanced Studies in Special Education	
500-600 level electives approved by advisor	12
Total Semester Hours	36

Graduate candidates seeking an endorsement or certification in special education should consult with an advisor.

To be recommended for certification, each graduate candidate must obtain at least the minimum score required by the South Carolina Department of Education on the appropriate Specialty Area Test of the PRAXIS Examination and complete the required courses as defined by the South Carolina State Department of Education.

Master of Science in Physical Education Graduate Program Advisor: Steveva Chepko, 803/323-3688

The Master of Science in physical education is designed to provide advanced study in the field of physical education. The program consists of core courses that provide a broad study of physical education. Electives may be selected to meet the needs of graduate candidates interested in sport leadership and health related physical education. A maximum of 6 semester hours of graduate work may be transferred from another accredited institution.

Admission Requirements. In addition to the general requirements for admission to graduate study at Winthrop, the applicant must:

1. Have an undergraduate major (or its equivalent) in physical education; and
2. Submit a verified copy of a satisfactory score on the Physical Education Specialty Area Test of the PRAXIS Examination or a minimum score of 800 in the General Test of the Graduate Record Examination (verbal and quantitative sections).

Required Program With Thesis	Semester Hours
EDUC 640 Educational Research, Design and Analysis	3
PHED 681 Current Issues and Trends in Physical Education and Sport	3

PHED 682	Scientific Bases of Sport and Physical Activity	3
600 level PHED elective		3
PHED 695	Thesis	3
PHED 696	Thesis	3

Select either the sport leadership or the health related physical education block of courses.

Sport Leadership:

PHED 548	Psychology of Sport and Physical Activity	3
PHED 571	Theory of Coaching	3
PHED 684	Sports Management	3

Select three courses from the following: 9

HLTH 501	Substance Abuse Education	
NUTR 520H	Sports Nutrition	
PHED 563	Advanced Athletic Training	
SOCL 506	Sociology of Competitive Sport	

500-600 level approved electives

Health Related Physical Education:

Select three or four courses from the following: 9-12

HLTH 500	Contemporary Health Problems	
HLTH 501	Substance Abuse Education	
HLTH 506	Human Sexuality	
HLTH 507	Women's Health Issues	

Select two or three courses from the following: 6-9

HLSM 620	Issues in US Healthcare Delivery	
NUTR 520H	Sports Nutrition	
PHED 662	Adapted Physical Education	
PHED 563	Advanced Athletic Training	

500-600 level approved electives

Total Semester Hours 36

* All graduate candidates in PHED 696, Thesis, are required to present the research in a colloquy.

Required Program With Research Project Semester Hours

EDUC 640	Educational Research, Design and Analysis	3
PHED 681	Current Issues and Trends in Physical Education and Sport	3
PHED 682	Scientific Bases of Sport and Physical Activity	3
600 level PHED electives		6
PHED 691	Research Project	3

Select either the sport leadership or the health related physical education block of courses

Sport Leadership:

PHED 548	Psychology of Sport and Physical Activity	3
PHED 571	Theory of Coaching	3
PHED 684	Sports Management	3

Select three courses from the following: 9

HLTH 501	Substance Abuse Education	
NUTR 520H	Sports Nutrition	
PHED 563	Advanced Athletic Training	
SOCL 506	Sociology of Competitive Sport	

500-600 level approved electives

Health Related Physical Education:

Select three or four courses from the following: 9-12

HLTH 500	Contemporary Health Problems	
HLTH 501	Substance Abuse Education	
HLTH 506	Human Sexuality	
HLTH 507	Women's Health Issues	

Select two or three courses from the following: 6-9

HLSM 620	Issues in US Healthcare Delivery	
NUTR 520H	Sports Nutrition	
PHED 662	Adapted Physical Education	
PHED 563	Advanced Athletic Training	

500-600 level approved electives

Total Semester Hours 36

* Graduate candidates who choose the applied research option will take a written comprehensive examination upon completion of coursework.

Graduate Certificate in Coaching Education

Graduate Program Advisor:

Steveda Chepko, 803/323-3688

The Graduate Certificate Program in Coaching Education is intended for professionals in all levels of coaching and college graduates interested in coaching. The program will provide a foundation of knowledge and concepts of coaching as well as strategies for working with various groups in athletics.

Completion of the program will require 18 hours, which includes a 15-hour block of required courses. The remaining courses may be selected from the courses listed. Graduate candidates must maintain a minimum grade point ratio of 3.0 in all courses taken for certificate credit. No more than 3 semester hours of "C" level credit will be permitted toward the certificate. Graduate candidates who are eligible for admission to the Master of Science degree in physical education may use appropriate courses in that program with advisor approval.

Admission Requirements. Candidates must have completed a baccalaureate degree from a regionally accredited institution. The program is open to professionals who work in the field of athletics or who are interested in pursuing jobs in that area. Graduate candidates qualifying for the certificate program will be admitted as non-degree seeking graduate students.

Required Program		Semester Hours
PHED 548	Psychology of Sport and Physical Activity	3
PHED 571	Theory of Coaching	3
PHED 684	Sport Management	3
PHED 685	Strength and Conditioning Programs for Athletes	3
PHED 563	Advanced Athletic Training*	3
Select one of the following:		3
SOCL 506	Sociology of Competitive Sport	
HLTH 501	Substance Abuse Education	
(Other appropriate courses may be selected with approval of advisor and department chair.)		

Total Semester Hours	18
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*prerequisite - introductory course

The College of Visual and Performing Arts

Dean: Andrew Svedlow

Associate Dean:

Jeannie M. Woods

Director of Graduate Studies:

Donald M. Rogers

803/323-2255

The College of Visual and Performing Arts offers graduate programs in the following areas: the Master of Arts in art education, the Master of Arts in arts administration, the Graduate Certificate Program in School Arts Administration, the Master of Music in conducting, the Master of Music in performance, the Master of Music Education and the Master of Fine Arts in art and design. Prospective students should contact Graduate Studies for an Application for Graduate Admission and a copy of the Graduate Catalog. Applicants should also contact the appropriate graduate program advisor for specific program information.

Students desiring initial certification in music, art, theatre or dance at the graduate level may apply for admission to the Master of Arts in Teaching (MAT) degree program in the College of Education. Please refer to the Center for Pedagogy section of the Catalog for complete information.

Art and Design

Graduate Faculty

Professors

James D. Connell

Laura J. Dufresne

David L. Freeman

Phil J. Moody

Andrew Svedlow, dean

Jerry Walden, chair

Alfred D. Ward

Associate Professors

Alice Burmeister

Shaun Cassidy

Peg Delamater

Chadwick P. Dresbach

Paul C. Martyka

Marge Moody

Seymour Simmons, III

Thomas J. Stanley

J. David Stokes

Gregory Tew

Assistant Professors

Mark Hamilton

Mike Levine

Master of Fine Arts in Art and Design

Graduate Program Advisor:

Jerry Walden, 803/323-2653

Admission Requirements. All applicants to the Master of Fine Arts program must submit a slide portfolio or other visuals representing the applicant's studio artwork in the intended area(s) of concentration.

Materials and applications are due by March 1 for the fall semester or September 1 for the spring semester. Final admission decisions cannot be made until all information has been received. Applicants not submitting all materials prior to the deadline may be considered for admission.

The Department of Art and Design offers the MFA degree in four areas of concentration. Candidates may elect a concentration in one of the following:

Crafts
General Studio *

Painting
Sculpture

****15 semester hours in each of two major areas of concentration.***

Academic Programs - College of Visual and Performing Arts

For admission to the graduate program, the applicant must:

1. Have an overall undergraduate grade-point average of 3.0 or better on a 4.0 scale.
2. Submit a combined score of 800 or above on the General Test of the Graduate Record Examination (verbal and quantitative sections), or a score of 44 on the Miller Analogies Test (MAT). A minimum TOEFL score of 550 is required for international students.
3. Submit a written statement of purpose reflective of your creative goals in the intended major and minor areas of study. The statement should indicate how the applicant envisions his or her work developing and why it is important to pursue a graduate degree.
4. Submit a resume;
5. Have three original letters of recommendation submitted directly from art and design professionals; and
6. Submit a minimum of 20 slides or other visuals, with inventory sheet representing work in the intended area of concentration.

A limited number of graduate assistantships and other awards are available for qualified applicants. Also, a limited number of graduate teaching assistantships are available for qualified graduate students after they have 18 semester graduate hours or more in the major concentration.

Students are required to complete at least 60 semester hours of approved graduate-level work. At least half the work presented for the degree must be 600-level courses.

	Semester Hours
Required Program	
500-600 level courses in major area	30
500-600 level courses in minor*	9-12

Art History:

ARTH 683 Seminar in Aesthetics, Theory and Criticism of Art	3
500-600 level art history courses	6

500-600 level electives outside Art and Design	3-6
ARTS 695 Thesis**	3
ARTS 696 Thesis**	3
Graduate Exhibition***	0

Total Semester Hours **60**

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*Courses must be in related area of art and design approved by advisor.

**A thesis project is required for the MFA degree in art and design, creative in content and including a written thesis statement that can be retained by the University. Upon completion of the thesis, students must pass an oral examination (to be completed at least two weeks prior to final examinations).

***Documented exhibition is required of every candidate for the MFA degree in art and design.

Master of Arts in Art Education Graduate Program Advisor: Seymour Simmons, 803/323-2670

The Master of Arts degree program in art education is designed for certified art teachers who wish to continue their professional/educational development. The program provides opportunities for current art teachers to improve skills in studio art and K-12 art education methodology.

The 36 semester-hour program addresses both elementary and secondary levels in addition to other specialized areas in art education, such as discipline-based arts education, contemporary problems, collaborative programming and assessment in arts education.

During the first semester of study, but no later than the completion of 12 graduate hours toward the program, students must select either the applied studio or research options consistent with individual professional goals.

Applied Studio Option. The applied studio option is intended to further the professional goals of the art teacher who wishes to concentrate on the development of artistic skills. This option allows the practicing teacher to pursue studio interests, to develop practical skills and, at the same time, to develop a broad understanding of contemporary art education theory. In the applied studio option, the degree candidate will be required to complete an exhibition thesis.

Research Option. The research option concentrates on the development of broad understanding in art education methodology and on the development of specialized knowledge. This option requires a research thesis and is designed to enhance the art teacher's professional goals of personal and career improvement and/or intention to pursue doctoral work.

Admission Requirements. For full admission to the MA degree program in art education, all applicants must submit the application and all supporting materials to the Graduate Studies Office by the published University deadlines. **Applications and supporting materials for the studio option must be submitted by March 1 for the summer session or fall semester or September 1 for the spring semester.**

For the research option, the deadlines are as follows: July 15 for the fall semester; December 1 for the spring semester; May 15 for June enrollment; June 15 for July enrollment. In addition, to be eligible for admission to the degree program, the applicant must:

1. Submit an official baccalaureate degree transcript (sent directly to Winthrop from the issuing institution) from an accredited institution. A major in art education, or its equivalent, is required;
2. Submit an official satisfactory score on either the General Text of the Graduate Record Examination, the Miller Analogies Test, or PRAXIS examination. If the applicant's overall undergraduate grade-point average is less than 3.0 on a 4.0 scale, the applicant must score 800 or better on the General Test of the Graduate Record Examination (verbal and quantitative

sections), or score 40 or better on the Miller Analogies Test, or an acceptable score on the PRAXIS examination;

3. Submit a current South Carolina Class III Teaching Certificate or equivalent from another state;
4. Submit a resume;
5. Submit a statement of the applicant's philosophy of teaching; and
6. Submit 10-20 slides from the applicant's work (required in applied studio option only).

Required Program With Applied Studio Option	Semester Hours
ARTE 648 Curriculum Development in Art Education	3
EDUC 670 Schooling in American Society	3
EDUC 681 Advanced Educational Psychology*	3
Select 12 hours from ARTE Courses:	12
ARTE 684 Graphic Design for Art Teachers	
ARTE 686 Drawing Studio for Art Teachers I	
ARTE 687 Drawing Studio for Art Teachers II	
ARTE 688 Sculpture Studio for Art Teachers I	
ARTE 689 Sculpture Studio for Art Teachers II	
ARTE 690 Printmaking Studio for Art Teachers I	
ARTE 691 Printmaking Studio for Art Teachers II	
ARTE 692 Painting Studio for Art Teachers I	
ARTE 693 Painting Studio for Art Teachers II	
ARTE 694 Ceramics Studio for Art Teachers I	
ARTE 695 Ceramics Studio for Art Teachers II	
ARTE 696 Jewelry & Metals Studio for Art Teachers I	
ARTE 697 Jewelry & Metals Studio for Art Teachers II	
ARTE 698 Photography Studio for Art Teachers I	
ARTE 699 Photography Studio for Art Teachers II	
Select 9 hours from ARTH courses:	9
ARTH 680 or 681 Graduate Art History	
ARTH 683 Seminar in Aesthetics Theory and Criticism in Art	
ARTH 690, or 691, or 692 Special Topics in Art History	
ARTE 685 Art Education Thesis**	3

Academic Programs - College of Visual and Performing Arts

Select 3 hours from the following: 3

ARTS 622	Research in Photography
ARTS 623	Research in Photography
ARTS 624	Research in Painting
ARTS 625	Research in Painting
ARTS 626	Research in Crafts
ARTS 627	Research in Crafts
ARTS 628	Research in Sculpture

ARTS 629	Research in Sculpture
ARTS 660	Research in Graphic Design
ARTS 661	Research in Graphic Design
ARTS 662	Research in Printmaking
ARTS 663	Research in Printmaking

Total Semester Hours **36**

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*A prerequisite for EDUC 681, Advanced Educational Psychology, is demonstrable competence in educational psychology which may be shown by passing the CLEP test for educational psychology or by satisfactorily completing EDUC 381, Educational Psychology, or equivalent.

**In the applied studio option, the thesis is in support of a required exhibition project. No credit is given for the exhibition itself.

Required Program With Research Option	Semester Hours
ARTE 648 Curriculum Development in Art Education	3
EDUC 670 Schooling in American Society	3
EDUC 681 Advanced Educational Psychology*	3
VPAS 690 Special Topics in Art Education	
OR	
VPAS 691 Special Topics in Art Education	
OR	
VPAS 692 Special Topics in Art Education	3

Select 9 hours from ARTE Electives: 9

ARTE 684	Graphic Design for Art Teachers
ARTE 686	Drawing Studio for Art Teachers I
ARTE 687	Drawing Studio for Art Teachers II
ARTE 688	Sculpture Studio for Art Teachers I
ARTE 689	Sculpture Studio for Art Teachers II

ARTE 690	Printmaking Studio for Art Teachers I
ARTE 691	Printmaking Studio for Art Teachers II
ARTE 692	Painting Studio for Art Teachers I
ARTE 693	Painting Studio for Art Teachers II
ARTE 694	Ceramics Studio for Art Teachers I
ARTE 695	Ceramics Studio for Art Teachers II
ARTE 696	Jewelry & Metals Studio for Art Teachers I
ARTE 697	Jewelry & Metals Studio for Art Teachers II
ARTE 698	Photography Studio for Art Teachers I
ARTE 699	Photography Studio for Art Teachers II

Select 9 hours from ARTH courses: 9

ARTH 680 or 681	Graduate Art History
ARTH 683	Seminar in Aesthetics, Theory and Criticism in Art
ARTH 690, or 691, or 692	Special Topics in Art History

ARTE 682	Research Methods in Visual Arts	3
ARTE 685	Art Education Thesis	3

Total Semester Hours **36**

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

*A prerequisite for EDUC 681, Advanced Educational Psychology, is demonstrable competence in educational psychology which may be shown by passing the CLEP test for educational psychology or by satisfactorily completing EDUC 381, Educational Psychology, or equivalent.

Master of Arts in Arts Administration
Graduate Program Advisor:
Andrew Svedlow, 803/323-2323

This graduate degree program is for individuals seeking to enhance their effectiveness and increase their career opportunities as arts administration professionals. The emphasis of the degree is on leadership in not-for-profit arts organizations with special focus on the visual

arts, dance, music, theatre, museum, cultural institution and performing arts administration.

The 36-hour degree program consists of a core of 18 weekend sessions (18 credit hours), four web-based courses (12 hours), and two one-week summer institutes (6 credit hours) spread out over two years of full-time, low residency enrollment. Classes meet one weekend each month fall and spring semesters and one week in June. Participants will be admitted in cohorts beginning in the fall semester of each year

Admission Requirements. In addition to meeting Winthrop University general admission requirements for all graduate students, the applicant for admission to this program must show high promise of success in graduate study in arts administration as demonstrated by an essay, interview and documentation of work experience in the field. Specifically the applicant should:

1. Hold a baccalaureate degree in an arts or business management discipline;
2. Have an overall undergraduate grade-point average of 3.0 on a 4.0 scale;
3. Submit an essay describing why the applicant wishes to enter the program;
4. Submit a current vitae; and
5. Submit two letters of recommendation.

Materials and applications are due by February 15 for the Fall semester. Final admission decisions cannot be made until all information has been received. Applicants not submitting all materials prior to the deadline will be considered for the following academic year. After credentials are reviewed the program director will contact the applicant to schedule an interview. Interviews will be conducted between March 15 and April 1.

An applicant whose native language is not English must present a score of at least 550 on the TOEFL. Students desiring to participate in this degree program who do not have a bachelor's degree in an arts or business management discipline may demonstrate life and work experience as prerequisite for admission. This substitution is applicable to less than 10% of any entering class.

Required Program	Semester Hours
Year 1- Fall	4
ARTA 611	
A. Principles and Practices of Arts Administration I	
B. Leadership in the Arts I	
C. Leadership in the Arts II	
D. Marketing the Arts	
Year 1 - Spring Semester	5
ARTA 612	
A. Financial Analysis, Planning and Management	
B. Trusteeship and Governance	
C. Organizational Behavior in the Arts	
D. Arts Administration and the Law	
E. Principles and Practices of Arts Administration II	
Year 1- Summer Institute I	3
ARTA 613	
Arts Administration Institute I: Practices in Arts Administration	
Year 2- Fall Semester	4
ARTA 621	
History and Philosophy of Arts Administration	
Seminar in Aesthetics, Theory and Criticism of the Arts	
Arts, Ethics and Community Service	
Implementing Art Administration Strategies	
Year 2 - Spring Semester	5
ARTA 622	
Program Planning and Proposal Writing	
Special Topics in Arts Administration	
Special Topics in Arts Administration	
Special Topics in Arts Administration	
The Arts and Arts Administration	
Year 2 - Summer Institute II	3
ARTA 623	
Arts Administration Institute II: The Arts and Society	
Web Based Courses	
ARTA 685 Field Based Practicum I	3
ARTA 686 Field Based Practicum II	3
ARTA 695 Thesis I	3
ARTA 696 Thesis II	3
Total Semester Hours	36

Students must meet the same qualitative requirements (GPA) for retention and graduation as for the graduate educational leadership and relevant graduate arts degrees.

Music

Graduate Faculty

Professors

Eugene M. Barban
Lorraine C. Gorrell
Jerry L. Helton
W. Martin Hughes
William F. Malambri, Jr.
Bruce A. Thompson
Phil A. Thompson
B. Michael Williams

Associate Professors

Katherine S. Kinsey
Ian D. Pearson

Assistant Professors

Lewis H. Dickert, Jr.
Marielon T. Ratliff
Donald M. Rogers, chair

Admission Requirements for all graduate Music degrees. In addition to meeting Winthrop University general admission requirements for all graduate students, the applicant for admission to a graduate program in music should:

1. Have an overall undergraduate grade-point average of 3.0 on a 4.0 scale.
2. Submit a combined score of 800 or higher on the verbal and quantitative sections of the General Test of the Graduate Record Examination;
3. Take entrance diagnostic examinations in music theory and music history/literature.

Applicants must demonstrate at least baccalaureate-level competence in music theory and music history/literature.

Results of the entrance diagnostic examinations in music theory and music history/literature will be used to plan an appropriate program of studies for the student. In order to address any deficiencies, a student may be required to enroll in courses which will not count toward the degree;

4. Perform an applied entrance audition on the major instrument. Students who do not pass the applied entrance audition will study at the undergraduate level. Graduate-level study must be attained by the end of the first semester.
5. Successfully complete a writing sample as prescribed by the graduate director.

The applied entrance audition and all entrance examinations should be taken prior to the semester of initial enrollment in the graduate program. Auditions and examinations are scheduled in January, May and August of each academic year. Students will be admitted provisionally until the audition and examinations have been completed. Prospective students should contact Donald Rogers, 803/323-2255, to confirm their intent to perform the audition and take the diagnostic entrance examinations.

Additional entrance requirements for specific degree programs may be found under each degree section.

**Master of Music in Conducting
Choral or Wind Instrumental Track
Graduate Program Advisor:
Donald M. Rogers, 803/323-2255**

Admission Requirements. In addition to the general admission requirements for all graduate degrees in music, the Master of Music degree in conducting requires that all applicants hold a baccalaureate degree with a major in performance or music education from an accredited institution.

Applicants for both choral and wind instrumental emphases should also possess: a keyboard proficiency equal to that required of an undergraduate degree in performance or music education and a proficiency in a major instrument required of graduates in the appropriate undergraduate degree program (choral - piano, organ, or voice; instrumental - wind instrument or percussion).

Applicants for the choral emphasis should also possess a diction proficiency in liturgical Latin and either French, German or Italian.

Required Program	Semester Hours
MUSA 511 Score Reading	2
500 or 600 level electives in MUSA/MUST (no more than 3 hours of applied music may be included: electives in the choral emphasis may include Choral Arranging, Diction and Vocal Pedagogy)	6
MUST 605 Twentieth Century Music Literature	3
MUST 607 Form and Style in Music	3
MUST 614 Research in Music	3
Choral Track:	
600 level Choral Conducting	9
Choose 2 hours from:	2
MUSA 651 Winthrop Glee Club	
MUSA 652 Winthrop Chorale	
MUSA 654 Chamber Singers	
MUST 506 Choral Literature	3
MUST 508 Standard Choral Repertory	3
Wind Instrumental Track:	
600 level Instrumental Conducting	9
Choose 2 hours from:	2
MUSA 657 Symphonic Band	
MUSA 658 Wind Ensemble	
MUST 518 Wind Literature	3
MUST 564 Romantic Period Music	3
Total Semester Hours	34

Note: Registration for GSTC 600 (Continuing Graduate Studies) may be required. Check with advisor.

Comprehensive Examinations. At least two weeks prior to final examinations, music graduate students must pass written and oral examinations covering all aspects of their graduate program. Students may not attempt the comprehensive examinations more than three times.

Performance Requirements for Graduation. At the culmination of applied study and near the end of the degree program (at least two weeks prior to final examinations), the student will present a full conducting recital as part of the degree requirements. Students meeting degree performance requirements must be enrolled for applied music study in the semester or term in which the recital is given.

Master of Music in Performance
Graduate Program Advisor:
Donald M. Rogers, 803/323-2255

Admission Requirements. In addition to the general admission requirements for all graduate degrees in music, the Master of Music degree in performance requires that all applicants hold a baccalaureate degree with a major in performance, or its equivalent, from an accredited institution.

Required Program	Semester Hours
MUST 607 Form and Style in Music	3
MUST 614 Research in Music	3
600-level applied music courses in the major instrument	9
500 or 600 level music literature elective	3
600 level ensemble (two semesters)	2
500 or 600 level music electives	9
500 or 600 level free elective from any discipline offered by the University	3
Total Semester Hours	32

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Additional Requirements:

1. Full recital;
2. Piano students must take MUST 501 (Piano Literature) and MUST 520 (Piano Pedagogy); Voice students must take MUST 505 (Opera Literature) or MUST 509 (Art Song Literature), MUST 519 (Vocal Pedagogy) and MUST 535-536 (Diction); Percussion students must take MUST 517 (Percussion Literature); and
3. At least half the work presented for the degree must be in 600-level courses.

Comprehensive Examinations. At least two weeks prior to final examinations, music graduate students must pass written and oral examinations covering all aspects of their graduate program. Students may not attempt the comprehensive examinations more than three times.

Performance Requirements for Graduation. At the culmination of applied study and near the end of the degree program (at least two weeks prior to final examinations), the student will present a full recital as part of the degree requirements. Students meeting degree performance requirements must be enrolled for applied music study in the semester or term in which the recital is given.

**Master of Music Education
Graduate Program Advisor:
Donald M. Rogers, 803/323-2255**

Admission Requirements. In addition to the general admission requirements for all graduate degrees in music, the Master of Music Education degree requires that all applicants hold a baccalaureate degree with a major in music education, or its equivalent, from an accredited institution.

Required Program		Semester Hours
MUST 607	Form and Style in Music	3
MUST 612	Foundations of Music Education	3
MUST 614	Research in Music	3
500 or 600-level music teaching methodology		3
EDUC 681	Advanced Educational Psychology	3
MUST 531	Computer Music Technology I	3
MUST 616	The Music Curriculum K-12	3
600 level applied music elective (primary or secondary instruments)		3
500 or 600-level music literature elective		3
500 or 600-level elective from any discipline offered by the University		3
500 or 600 level elective from any discipline within the College of Visual and Performing Arts		3
Total Semester Hours		33

Note: Registration for GSTC 600, Continuing Graduate Studies, may be required. Check with advisor.

Comprehensive Examinations. At least two weeks prior to final examinations, music graduate students must pass written and oral examinations covering all aspects of their graduate program. Students may not attempt the comprehensive examinations more than three times.

Performance Requirements for Graduation. There is no recital requirement for the Master of Music Education degree. However, a student may complete up to 6 hours in applied music with the approval of the appropriate applied committee for any study beyond 3 hours. A student earning 6 credit hours must present at east a half recital before graduation.

Courses of Study

This chapter contains a listing of courses at the time of printing of the Catalog. Courses are listed alphabetically. Not all courses are available every semester or summer session. A *Schedule of Courses* is issued prior to each registration, listing courses available for that semester or summer session. Students should consult the *Schedule of Courses* prior to each registration.

Winthrop University reserves the right to withdraw any course listed in the *Schedule of Courses* if the administration determines the course does not have adequate enrollment. The University also reserves the right to establish limits on the enrollment for any course or course section.

For further information about courses listed in this chapter, consult the dean of the college or the chairperson of the department offering the course.

In this chapter, the following information is given about each course: the number; the title; the semester-hour value; the number of clock hours required per week, if different from semester hour value; a brief description, if necessary; restriction of credit (if any); and a statement of prerequisites or other restrictions on enrollment. If none is stated, the only restriction on enrollment is that indicated by the number of the course—see Classification of Courses below.

The first of the figures enclosed in parentheses immediately following the title of a course indicates the number of semester hours of credit given for the course; the second and third figures (if given) indicate the number of lecture and laboratory (or studio) hours normally scheduled each week for one semester in the course.

If only one figure is given, there are as many clock hours required per week as there are semester hours of credit for the course (unless the course description states otherwise). For example, (3) indicates the course carries 3 semester hours of credit and meets for 3 clock hours per week; (1:3) indicates the course carries one semester hour of credit but meets 3 clock hours per week; (4:2-4) indicates the course carries 4 semester hours of credit but meets 2 lecture hours and 4 laboratory (or studio) hours per week

When two courses are listed as one, a hyphen(-) between the course numbers indicates the first is a prerequisite of the second. A comma (,) between the course numbers indicates that the first is not a prerequisite of the second.

Classification of Courses

Courses are classified by number: 500-599 courses are advanced courses, primarily for juniors, seniors, and graduate students; 600-699 courses are advanced courses for graduate students only. Graduate students are automatically registered for graduate credit in courses numbered 500-599 unless undergraduate credit is requested at registration or during the registration change period. Students enrolled in 500-level courses for graduate credit are expected to complete additional appropriate requirements.

Key to Subject Course Designators

<i>Subject</i>	<i>Course Designator</i>	<i>Subject</i>	<i>Course Designator</i>
Accounting	ACCT	International Area Studies	INAS
Anthropology	ANTH	Liberal Arts	LART
Arts Administration	ARTA	Management	MGMT
Art	ARTS	Marketing	MKTG
Art Education	ARTE	Mass Communication	MCOM
Art History	ARTH	Mathematics	MATH
Biology	BIOL	Mathematics Education	MAED
Business Administration	BADM	Modern Language Education	MLAN
Chemistry	CHEM	Music Applied	MUSA
Computer Science	CSCI	Music	MUST
Counseling and Development	CSDV	Philosophy	PHIL
Dance Theory	DANT	Physical Education	PHED
Early Childhood Education	ECED	Physics	PHYS
Economics	ECON	Political Science	PLSC
Education, Curriculum and Instruction	EDCI	Psychology	PSYC
Education, General Professional	EDUC	Quantitative Methods	QMTH
Educational Leadership	EDLD	Reading	READ
Elementary Education	ELEM	Religion	RELG
English	ENGL	Science	SCIE
English Education	ENGE	Secondary Education	SCED
Environmental Science/Studies	ENVS	Social Studies Education	SCST
Finance	FINC	Social Work	SCWK
French	FREN	Sociology	SOCL
Geography	GEOG	Spanish	SPAN
German	GERM	Special Education	SPED
Gerontology	GRNT	Theatre Applied Technique	THRA
Graduate Studies	GSTC	Theatre	THRT
Health	HLTH	Visual Communication	VCOM
Health Services Management	HLSM	Visual and Performing Arts	VPAS
History	HIST	Vocational Education	VCED
Human Nutrition	NUTR	Writing	WRIT
Integrated Marketing Communication	IMCO		

Accounting (ACCT)

502. Corporate Tax (3).

Concepts and methods of determining tax liability of corporations. Topics include ordinary income, capital gains and losses, net operating loss, reorganizations and contemporary problems in corporate taxation. Prerequisite(s): Grade of C or better in ACCT 306 and ACCT 401.

505. Advanced Accounting Topics (3).

Special accounting topics not covered in other accounting courses. Examples of topics covered are business combinations, investments, leases, pensions, EPS, revenue recognition and the cash flow statement. Prerequisite(s): Grade of C or better in ACCT 306.

506. Not for Profit Accounting (3).

Fund accounting and the financial presentation and disclosure requirements of governmental and other not for profit agencies. Prerequisite(s): Grade of C or better in ACCT 306.

509. Auditing Principles and Procedures (3).

Internal control, test of transactions, direct tests of financial statement balances and statistical sampling, with emphasis on the auditor's decision-making process. Prerequisite(s): Grade of C or better in ACCT 306.

510. Advanced Cost (3).

Study of the conceptual and procedural aspects of cost accounting. Prerequisite(s): Grade of C or better in ACCT 309.

601. Introduction to Accounting (3).

Preparation of accounting information according to GAAP and analysis of accounting data for the purposes of planning and control. Notes: Offered in fall.

606. Advanced Financial Accounting (3).

Exploration of the theoretical basis of financial accounting and the study of selected current issues concerning generally accepted accounting principles. Prerequisite(s): ACCT 306.

607. Tax Research (3).

Tax concepts, issues and procedures examined using tax services to research tax topics. Explore administrative methods of dealing with the examination, collection and criminal tax division of the IRS. Prerequisite(s): ACCT 401.

609. Advanced Auditing (3).

The course will cover the audit process (with practice sets), auditing in an EDP environment and statistical sampling plans used by auditors. Prerequisite(s): Grade of C or better in ACCT 509.

610. Advanced Managerial Accounting (3).

Stresses an understanding of how accounting aids management by providing information for decision making and control of operations. Prerequisite(s): ACCT 309 or ACCT 654, QMTH 205 and QMTH 206, or QMTH 651.

615. Professional Exam Review (0).

Professional examination preparation. Student must demonstrate proficiency in a simulation of one of the following professional examinations: Certified Public Accountant, Certified Management Accountant or Certified Internal Auditor. Notes: Must be completed prior to receiving MBA-Accounting Emphasis.

654. Management Accounting (3).

Accounting topics in the area of management with emphasis on planning, control and analysis for decision-making. Prerequisite(s): ACCT 280 and 281.

Anthropology (ANTH)

540. Ecological Anthropology (3:3:0).

A study of humans' relationship to the environment in the past, present and future. This course explores the biological and cultural adaptations that have allowed humans to occupy a wide range of diverse habitats.

Prerequisite(s): ANTH 201, 202 or permission of instructor.

Notes: Offered every even year in fall.

Arts Administration (ARTA)

611A. Principles and Practices of Arts Administration I (1).

A course covering the processes of theories of governance and leadership in the arts as well as practical aspects of planning and implementation. Emphasis will be on understanding leadership styles and arts administration theory, as well as an awareness of current issues impacting arts administration.

Notes: Restricted to students admitted into the MA in Arts Administration program.

611B. Leadership in the Arts I (1).

A course focusing on the theories of leadership as they apply to the arts and other human processes operating within an arts organization and society as a whole.

Notes: Restricted to students admitted into the MA in Arts Administration Program.

611C. Leadership in the Arts II (1).

A continuation of the Theories of Leadership in the Arts begun in ARTA 611B.

Notes: Restricted to students admitted into the MA in Arts Administration program.

611D. Marketing the Arts (1).

A course designed to provide an overview of marketing principles and operations

management with a focus on appropriate and timely issues affecting arts organizations.

Notes: Restricted to students admitted into the MA in Arts Administration program.

612A. Financial Analysis, Planning and Management (1).

A case, lecture and computer application course emphasizing financial statements analysis, cash budgets, Performance statements, time value of money and working capital management in not-for-profit organizations.

Prerequisite(s): ARTA 611D.

Notes: Restricted to students admitted into the MA in Arts Administration program.

612B. Trusteeship and Governance (1).

A course addressing issues surrounding performance standards by which governing boards of arts organizations may be assessed and practical information on managing trustee relations.

Prerequisite(s): ARTA 611D.

Notes: Restricted to students admitted into the MA in Arts Administration program.

612C. Organizational Behavior in the Arts (1).

Evolutionary development of organizational theory and the examination of its relationship to human and physical changes in arts organizations.

Prerequisite(s): ARTA 611D.

Notes: Restricted to students admitted into the MA in Arts Administration program.

612D. Arts Administration and the Law (1).

Not-for-profit sector employment law and other legal related matters with emphasis on employment regulations and current trends in the arts and the law.

Notes: Restricted to students admitted into the MA in Arts Administration program.

612E. Principles and Practices of Arts Administration II (1).

A continuation of the processes of theories of governance and leadership in the arts begun in ARTA 611A.

Prerequisite(s): ARTA 611D.

613. Arts Administration Institute I: Practices (3).

A one-week summer seminar covering current practices in arts administration and specific theories on the role of the arts in society.

Prerequisite(s): ARTA 612E.

Notes: Restricted to students admitted into the MA in Arts Administration program.

621A. History and Philosophy of Arts Administration (1).

A course that reviews the history of not-for-profit arts organizations in the United States and related philosophical viewpoints throughout that history.

Prerequisite(s): ARTA 613.

Notes: Restricted to students admitted into the MA in Arts Administration program.

621B. Seminar in Aesthetics, Theory and Criticism of the Arts (1).

An advanced, detailed study of selected topics in aesthetics, arts theory and criticism.

Prerequisite(s): ARTA 613.

Notes: Restricted to students admitted into the MA in Arts Administration program.

621C. Arts, Ethics and Community Service (1).

A course addressing the concerns of arts administrators as they prepare for increasing levels of civic responsibility. Theoretical and practical insights are shared as a means to engage students in the issues of ethics and community service.

Prerequisite(s): ARTA 613

Notes: Restricted to students admitted into the MA in Arts Administration program.

621D. Implementing Arts Administration Strategies (1).

Using existing case studies and those developed by students, strategies for planning, implementing and evaluating arts administration responsibilities will be explored and developed.

Prerequisite(s): ARTA 613.

Notes: Restricted to students admitted into the MA in Arts Administration program.

622A. Program Planning and Proposal Writing (1).

An advanced approach to research and writing grant proposals.

Prerequisite(s): ARTA 621D.

Notes: Restricted to students admitted into the MA in Arts Administration program.

622B. Special Topics in Arts Administration (1).

A special topics series of courses designed to extend individual opportunities for study in arts administration.

Prerequisite(s): ARTA 621D.

Notes: Restricted to students admitted into the MA in Arts Administration program.

622C. Special Topics in Arts Administration (1).

A special topics series of courses designed to extend individual opportunities for study in arts administration.

Prerequisite(s): ARTA 621D.

Notes: Restricted to students admitted into the MA in Arts Administration program.

622D. Special Topics in Arts Administration (1).

A special topics series of courses designed to extend individual opportunities for study in arts administration.

Prerequisite(s): ARTA 621D.

Notes: Restricted to students admitted into the MA in Arts Administration program.

622E. The Arts and Arts Administration (1).

Intensive examination and analysis of current issues in the work life of arts administration students and the application of practices in the applied arts to those issues.

Prerequisite(s): ARTA 621D.

Notes: Restricted to students admitted into the MA in Arts Administration program.

623. Arts Administration Institute II: The Arts and Society (3).

A one-week summer seminar covering current practices in arts administration and specific theories on the roles of the arts in society.

Prerequisite(s): ARTA 622E.

Notes: Restricted to students admitted into the MA in Arts Administration program.

Courses of Study

685. Field Based Practicum I (3).

Fieldwork in an appropriate setting with supervision and advisement. This practicum experience provides an opportunity to explore contemporary issues in arts administration as they unfold in the work place.

Prerequisite(s): Permission of advisor.

Notes: Restricted to students admitted into the MA in Arts Administration program. A grade of S or U is recorded.

686. Field Based Practicum II (3).

Fieldwork in an appropriate setting with supervision and advisement. This practicum experience provides an opportunity to explore contemporary issues in arts administration as they unfold in the work place.

Prerequisite(s): ARTA 685 and permission of advisor.

Notes: Restricted to students admitted into the MA in Arts Administration program. A grade of S or U is recorded.

695. Thesis I (1-3).

Development of an individual investigation or applied research project with a range of alternative culminating experience presentation formats, including traditional thesis. Web-based course.

Prerequisite(s): ARTA 686.

Notes: Restricted to students admitted into the MA in Arts Administration program. A grade of S or U is recorded.

696. Thesis II (1-3).

Completion of an individual investigation or applied research project with a range of alternative culminating experience presentation formats, including traditional thesis. Web-based course.

Prerequisite(s): ARTA 695

Notes: Restricted to students admitted into the MA in Arts Administration program. A grade of S or U is recorded.

Art (ARTS)

All 500-level (for graduate credit) and 600-level course enrollment require prior approval of the Chair of the Department of Art and Design.

532. Sculpture V (3:7).

Development of design and technical skills in the student's specific area of interest.

Prerequisite(s): ARTS 433.

Notes: Lab Fee: \$25. Offered in fall and spring.

533. Sculpture VI (3:7).

The conception and production of a unified professional body of work appropriate to a one-artist exhibition of sculpture.

Prerequisite(s): Permission of instructor.

Notes: Lab Fee: \$25. Offered in fall and spring.

536. Advanced Printmaking (3:7).

Advanced study in printmaking media with a concentration of image formulation through advanced techniques and multi-color printing.

Prerequisite(s): ARTS 437.

Notes: Lab Fee: \$25. Offered in fall and spring.

542. Painting V (3:7).

A continuation of the study of painting to develop professional, painterly skills through individual expression.

Prerequisite(s): ARTS 443.

Notes: Lab Fee: \$10. Offered in fall, spring and summer.

543. Painting VI (3:7).

Advanced study offering a thorough grounding in the discipline of painting.

Prerequisite(s): ARTS 542.

Notes: Lab Fee: \$10. Offered in fall, spring and summer.

551. Ceramics V (3:7).

Advanced study to develop a personal approach to the ceramic object. Exploration of glaze calculation and application.

Prerequisite(s): ARTS 452.

Notes: Lab Fee: \$45. Offered in fall, spring and summer.

552. Ceramics VI (3:7).

Advanced work in ceramics culminating in the production of a body of work of professional standard. Study of kiln construction and portfolio photographic documentation.

Prerequisite(s): ARTS 551.

Notes: Lab Fee: \$45. Offered in fall, spring and summer.

555. Jewelry and Metals V: Fashion (3:7).

Design and production of both fashion and fine jewelry with an emphasis on mixed media.

Prerequisite(s): ARTS 455.

Notes: Lab Fee: \$25.

556. Jewelry and Metals VI: Fine Jewelry (3:7).

Advanced study in fine and fashion jewelry/metals.

Prerequisite(s): ARTS 555.

Notes: Lab Fee: \$25.

572. Fashion Photography (Medium-Format) (3:1:6).

This course combines creative photography techniques used in the fashion industry with the financial aspects of making a living as a working photographer. Projects are designed to initiate assignments a studio photographer would typically receive, stressing individual creative solutions for a project, working to a deadline and staying within a client's budget.

Students must own a medium-format camera with flash synchronization capability.

Prerequisite(s): ARTS 474

Notes: Offered in fall.

573. Photography Thesis Project (3:1:6).

Designed for seniors, this course provides an opportunity to investigate a single topic of personal interest. By working closely with the instructor, the student's project is devised, executed and in the process a conceptual framework is developed. To accompany the project, students learn to write an artist's statement, how to complete a grant application for a fine-art project or develop a detailed budget for a commercial project proposal.

Prerequisite(s): ARTS 473, 474 and ARTS 472 or 475 or 572, senior status.

Notes: Offered in fall.

574. Photography Thesis Exhibition (3:7).

This course is dedicated to the production of a project for a one-person exhibition, which the student installs at the end of the semester.

Building on the experience of ARTS 573, the student investigates a single topic, which may be a new project, a continuation of the earlier project or a refined version of it. The exhibition (typically 12-15 pieces of work) is accompanied by a written artist's statement.

Prerequisite(s): ARTS 573.

Notes: Offered in spring.

577. Advanced Problems in Advertising Design (3:7).

Research and conceptualization of visual media in package design including industrial and food packages.

Prerequisite(s): ARTS 477 or 478.

Notes: Lab Fee: \$25. Offered in fall and spring.

580, 581. Special Topics in Art (1) (1).

Extends individual opportunities in studio art beyond existing departmental curriculum limits.

Prerequisite(s): Permission of chair, Department of Art and Design.

Notes: Offered in fall and spring. May be retaken for additional credit.

582, 583. Special Topics in Art (2) (2).

Extends individual opportunities in studio art beyond existing departmental curriculum limits.

Prerequisite(s): Permission of chair, Department of Art and Design.

Notes: Offered in fall and spring. May be retaken for additional credit.

584, 585. Special Topics in Art (3) (3).

Extends individual opportunities in studio art beyond existing departmental curriculum limits.

Prerequisite(s): Permission of chair, Department of Art and Design.

Notes: Offered in fall and spring. May be retaken for additional credit.

Courses of Study

602, 603. Advanced Studies in Photography (3:7) (3:7).

Advanced studies in photography with emphasis on synthesizing conceptual and pragmatic skills. Independent effort is essential as is a high degree of professional competency.

604, 605. Advanced Studies in Painting (3:7) (3:7).

Advanced studies in painting with emphasis on synthesizing conceptual and pragmatic skills. Independent effort is essential as is a high degree of professional competency.

606, 607. Advanced Studies in Crafts (3:7) (3:7).

Advanced studies in crafts with emphasis on synthesizing conceptual and pragmatic skills. Independent effort is essential as is a high degree of professional competency.

608, 609. Advanced Studies in Sculpture (3:7) (3:7).

Advanced studies in sculpture with emphasis on synthesizing conceptual and pragmatic skills. Independent effort is essential as is a high degree of professional competency.

612, 613. Graduate Photography (3:7) (3:7).

Development of an individual approach to expression in photography.

614, 615. Graduate Painting (3:7) (3:7).

Development of an individual approach to expression in painting.

616, 617. Graduate Crafts (3:7) (3:7).

Development of an individual approach to expression in crafts.

618, 619. Graduate Sculpture (3:7) (3:7).

Development of an individual approach to expression in sculpture.

622, 623. Research in Photography (3:7) (3:7).

A program structured on the basis of individual needs, interests and background preparation as they are determined through faculty counseling.

624, 625. Research in Painting (3:7) (3:7).

A program structured on the basis of individual needs, interests and background preparation as they are determined through faculty counseling.

626, 627. Research in Crafts (3:7) (3:7).

A program structured on the basis of individual needs, interests and background preparations as they are determined through faculty counseling.

628, 629. Research in Sculpture (3:7) (3:7).

A program structured on the basis of individual needs, interests and background preparation as they are determined through faculty counseling.

632, 633. Special Problems in Photography (3:7) (3:7).

Special problems in photography as related to individual needs and requirements for student developing a thesis in the concentration.

634, 635. Special Problems in Painting (3:7) (3:7).

Special problems in painting as related to individual needs and requirements for student developing a thesis in the concentration.

636, 637. Special Problems in Crafts (3:7) (3:7).

Special problems in crafts as related to individual needs and requirements for student developing a thesis in the concentration.

638, 639. Special Problems in Sculpture (3:7) (3:7).

Special problems in sculpture as related to individual needs and requirements for student developing a thesis in the concentration.

640, 641. Advanced Studies in Graphic Design (3:7) (3:7).

Advanced studies in graphic design with emphasis on synthesizing conceptual and pragmatic skills. Independent effort is essential as is a high degree of professional competency.

642, 643. Advanced Studies in Printmaking (3:7) (3:7).

Advanced studies in printmaking with emphasis on synthesizing conceptual and pragmatic skills. Independent effort is essential as is a high degree of professional competency.

644, 645. Advanced Studies in Drawing (3:7) (3:7).

Advanced studies in drawing with emphasis on synthesizing conceptual and pragmatic skills. Independent effort is essential as is a high degree of professional competency.

650, 651. Graduate Graphic Design (3:7) (3:7).

Development of an individual approach to expression in graphic design.

652, 653. Graduate Printmaking (3:7) (3:7).

Development of an individual approach to expression in printmaking.

654, 655. Graduate Drawing (3:7) (3:7).

Development of an individual approach to expression in drawing.

660, 661. Research in Graphic Design (3:7) (3:7).

A program structured on the basis of individual needs, interests and background preparation as they are determined through faculty counseling.

662, 663. Research in Printmaking (3:7) (3:7).

A program structured on the basis of individual needs, interests and background preparation as they are determined through faculty counseling.

670, 671. Special Problems in Graphic Design (3:7) (3:7).

Special problems in graphic design as related to individual needs and requirements for student developing a thesis in the concentration.

672, 673. Special Problems in Printmaking (3:7) (3:7).

Special problems in printmaking as related to individual needs and requirements for student developing a thesis in the concentration.

690, 691, 692. Special Topics in Art (3:7) (3:7) (3:7).

Extends individual opportunities in art beyond existing departmental curriculum limits.

Prerequisite(s): Permission of chair, Department of Art and Design.

695. Thesis (3).

Development of an individual investigation.

Prerequisite(s): Open to majors only.

Permission of chair, Department of Art and Design.

Notes: A grade of S or U is recorded.

696. Thesis (3).

Development of an individual investigation.

Prerequisite(s): Open to majors only.

Permission of chair, Department of Art and Design.

Notes: A grade of S or U is recorded.

Art Education (ARTE)

547. Art for Classroom Teachers (3:5).

Introduction to the aims, philosophies and creative studio experiences relevant to teaching art in the elementary school.

Prerequisite(s): Education major or permission of instructor. Admission to Teacher Education Program.

Notes: Lab Fee: \$10. Offered in fall, spring and summer.

548. Curriculum Development in Art Education (3:3:1).

Curriculum development for art educators at the various levels (K-12).

Prerequisite(s): Permission of instructor.

Admission to Teacher Education Program.

Notes: Lab Fee: \$10. Offered in fall, spring and summer.

Courses of Study

549. Foundations of Art Education (3:3:1).

The development of objectives for art education based on the personal and historical references in philosophy and psychology. A critical examination of traditional and contemporary bases. Prerequisite(s): Permission of instructor. Admission to Teacher Education Program. Notes: Lab Fee: \$10.

550. Principles of Teaching Art (3).

Study and application of skills of planning, instruction, management and assessment of students of art. Includes a review of the ethical and legal responsibilities of art teachers. Prerequisite(s): Permission of instructor. Admission to Teacher Education Program. Notes: Lab Fee: \$20.

580. Current Issues in Art Education (3).

Intensive examination and analysis of current issues in contemporary art education. Prerequisite(s): Permission of instructor.

592. Field Experience in Teaching Art (1:8).

Laboratory experience equivalent to 28 half days designed to lead art students through an exploration and examination of various research-based programs of instructional planning, methodology, classroom management and evaluation of teaching and learning.

648. Curriculum Development in Art Education (3:3:1).

Curriculum development for art educators at the various levels (K-12). Prerequisite(s): Permission of instructor. Notes: Lab Fee: \$10. Offered in fall, spring and summer.

649. Foundations of Art Education (3:3:1).

The development of objectives for art education based on the personal and historical references in philosophy and psychology. A critical examination of traditional and contemporary bases. Prerequisite(s): Permission of instructor. Notes: Lab Fee: \$10. Offered in fall, spring and summer.

680. Current Issues in Art Education (3).

Intensive examination and analysis of current issues in contemporary art education. Prerequisite(s): Permission of instructor.

682. Research Methods in Visual Arts (3).

A survey of basic concepts and techniques of research methodology in the visual arts and art education. Includes qualitative and quantitative approaches as they apply to visual art learning.

684. Graphic Design for Art Teachers (3:0:7).

The study of basic graphic design principles as they may be applied in a public school art program. Prerequisite(s): Permission of instructor.

685. Art Education Thesis (3).

Development of an individual investigation, either a written research thesis or a studio exhibition thesis. Prerequisite(s): Open to majors only.

686, 687. Drawing Studio for Art Teachers I, II (3:7) (3:7).

For the art teacher, an introduction to drawing and its application to other studio situations. Prerequisite(s): Permission of instructor. Notes: Lab Fee: \$10.

688, 689. Sculpture Studio for Art Teachers I, II (3:7) (3:7).

Broad range of design and media experiences in sculpture. Prerequisite(s): Permission of instructor. Notes: Lab Fee: \$25.

690, 691. Printmaking Studio for Art Teachers I, II (3:7) (3:7).

Studio introduction to printmaking process through experiences selected from printmaking areas. Prerequisite(s): Permission of instructor.

692, 693. Painting Studio for Art Teachers I, II (3:7) (3:7).

Introduction for the art teacher to traditional painting media and their application in actual studio situations. Prerequisite(s): Permission of instructor. Notes: Lab Fee: \$10.

694, 695. Ceramics Studio for Art Teachers I, II (3:7) (3:7).

Technical investigation in clay processes, blazing and fringe techniques.

Prerequisite(s): Permission of instructor.

Notes: Lab Fee: \$35.

696, 697. Jewelry and Metals Studio for Art Teachers I, II (3:7) (3:7).

Basic design and media experiences in jewelry and metals.

Prerequisite(s): Permission of instructor.

Notes: Lab Fee: \$25.

698, 699. Photography Studio for Art Teachers I, II (3:7) (3:7).

For the art teacher, an introduction to photography and applications to other studio experiences.

Prerequisite(s): Permission of instructor.

Notes: Lab Fee: \$25.

Art History (ARTH)

680, 681. Graduate Art History (3) (3).

Graduate art history study for scholarly research and discussion of specific issues; i.e. prehistoric art, ancient art, classical art, medieval art, Renaissance art, modern art, interior design, photography, etc.

682. Research in Art History (3).

Research in art history study for scholarly presentation and discussion of a specific topic.

Prerequisite(s): ARTH 680 or permission of instructor.

683. Seminar in Aesthetics, Theory and Criticism of Art (3).

An advanced, detailed study of selected topics in aesthetics, art theory and criticism in a seminar situation.

690, 691, 692. Special Topics in Art History (3) (3) (3).

Extends individual opportunities for study in art history beyond existing departmental curriculum limits.

Prerequisite(s): Permission of chair, Department of Art and Design.

Biology (BIOL)

505. Primate Biology (3).

A study of the morphology, behavior, ecology and evolutionary relationships of primates including prosimians, monkeys, apes and hominids.

Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108; or ANTH 202 and permission of instructor.

Notes: Offered every odd year in fall.

508. Invertebrate Biology (4:2-4).

An introduction to the biology of invertebrate animals with emphases on their physiology, anatomy and evolutionary relationships.

Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.

Notes: Lab Fee: \$35. Offered every odd year in spring.

510. Vertebrate Natural History (4:2-4).

A course covering the evolution, distribution, ecology and physiology of all classes of fish, amphibians, reptiles, birds and mammals.

Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.

Notes: Lab Fee: \$30. Offered every odd year in spring.

511. Ornithology (4:2-4)

A lecture and field course in bird evolution, ecology, behavior and field identification.

Prerequisite(s): BIOL 204, 205, 206 and 300 or permission of instructor.

Notes: Lab Fee: \$30. Offered in summer.

513. Organic Evolution (3).

A study of the mechanism of change in the genetic constitution of populations over time with consideration of historical progress toward our present understanding.

Prerequisite(s): BIOL 204, 205, 206, 300 and 317; CHEM 106 and 108.

Notes: Offered in fall.

515. Environmental Biology (4:2-4).

A study of the ways by which human activity alters natural ecosystems and affects human health.

Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.

Notes: Lab Fee: \$35. Offered in spring.

Courses of Study

517. Human Genetics (3).

A comprehensive study of human genetics, especially covering the areas of single gene defects, chromosome disorders, cancer, multifactorial inheritance, immunogenetics, behavior and populations.
Prerequisite(s): BIOL 204, 205, 206, 300 and 317; CHEM 106 and 108.
Notes: Offered every odd year in fall.

518. Animal Behavior (3).

A study of the mechanisms and patterns of animal activity, including principles of sociobiology.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.
Notes: Offered every even year in spring.

519. Mechanisms of Disease (3:3:0).

A study of disease cause and progression in humans and animal models at the cellular, molecular and organismal levels.
Prerequisite(s): BIOL 300 and BIOL 308 or 315 or 321.
Notes: Offered every even year in fall.

520. Entomology (4:2-4).

A study of the morphology, physiology, ecology and behavior of insects with emphasis upon recognition of major insect groups and techniques for preservation and identification.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.
Notes: Lab Fee: \$40. Offered on demand.

521. Cytogenetics (4:3-3).

A comprehensive study of the chemical and physical properties of chromosomes and their behavior and role in inheritance.
Prerequisite(s): BIOL 204, 205, 206, 300 and 317; CHEM 106 and 108.
Notes: Lab Fee: \$30. Offered every even year in fall.

522. Immunology (4:2-4).

A study of immunity, of the nature and molecular aspects of the immune response, and of antibodies in the laboratory.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.
Notes: Lab Fee: \$40. Offered in spring.

524. Advanced Botany (3).

Relationship of morphology and physiology to environmental factors that limit plant distribution and growth.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108.
Notes: Offered every odd year in spring.

525. Mycology (4:3-3).

Survey of major fungal toxins with emphasis on field collection, identification, structural and functional studies and methods of laboratory culture and experimentation.
Prerequisite(s): BIOL 204, 205, 206, 300 and 310; and CHEM 106 and 108.
Notes: Lab Fee: \$35. Offered every even year in fall.

526. Applied Microbiology (4:3-3).

Examination of the technological and natural uses of microorganisms in medicine, food industry, agriculture and other fields of applied science.
Prerequisite(s): BIOL 204, 205, 206, 300 and 310; CHEM 106 and 108.
Notes: Lab Fee: \$30. Offered on demand.

527. Population Biology (4:3-3).

A survey of the population biology of plants and animals. Emphasizes the assessment and analysis of demographic factors (age, size and community integration) that determine the abundance, distribution and diversity of natural populations.
Prerequisite(s): BIOL 300.
Notes: Lab Fee: \$30. Offered every odd year in fall.

530. Methods in Electron Microscopy (4:2-6).

Introduction to theory and methods used in studying biological and materials science-specimens by scanning and/or transmission electron microscopy.
Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108; and CHEM 301, 302, 303, 304 or CHEM 310 and 311.
Notes: Lab Fee: \$50. Offered every even year in spring.

540. Special Topics in Biology (3).

A detailed examination of specific subjects in biology.

Prerequisite(s): BIOL 204, 205, 206 and 300; CHEM 106 and 108; or graduate status; or permission of instructor.

Notes: Offered on demand. May be retaken for additional credit when different subjects are taught.

555. Molecular Biology (3).

A comprehensive, one-semester study of the molecular basis of life. The course includes the structure and function of macromolecules, synthesis and interactions of biologically important molecules, molecular genetics, biochemical energetics, enzymatics and molecular mechanisms in biological systems. This course is intended for students who plan to enter into a health-professional graduate program (medical school, veterinary school, dental school, medical technology) or a graduate program in biology.

Prerequisite(s): BIOL 300 and CHEM 301.

Notes: Offered every odd year in fall.

556. Molecular Genetics and Recombinant DNA Techniques (4:3-3).

A molecular study of the processes of gene expression and replication in procaryotic and eucaryotic organisms and an examination of the recombinant DNA techniques used in genetic engineering.

Prerequisite(s): BIOL 204, 205, 206, 300 and 317; and CHEM 106 and 108.

Notes: Lab Fee: \$50. Offered every even year in spring.

601. Theory and Method in Biology (3).

This course is intended to introduce graduate students to the basic research and communication techniques of biology.

Students will also examine key philosophical and ethical issues in biology today.

Prerequisite(s): Permission of instructor.

Notes: Offered in fall.

605. Bioethics (3). This course uses lectures, seminars, and case study discussions to review ethical standards for scientists and ethical issues in biology and medicine.

Note: Offered every even year in fall.

610. Recent Advances in Molecular and Cellular Biology (3).

A seminar course with reports and readings that deal with significant recent developments in molecular and cellular biology.

Prerequisite(s): 18 hours of biology courses.

Notes: Offered every odd year in spring.

611. Recent Advances in Organismic and Developmental Biology (3).

A seminar course with reports and readings that deal with significant recent developments in organismic and developmental biology.

Prerequisite(s): 18 hours of biology courses.

Offered every odd year in fall.

612. Recent Advances in Environmental and Evolutionary Biology (3).

A seminar course with reports and readings that deal with significant recent developments in environmental and evolutionary biology.

Prerequisite(s): 18 hours of biology courses.

Offered every even year in spring.

620. Supervised Laboratory Instruction (3:6).

Students work directly with a faculty member in the instruction of the laboratory activities of selected BIOL and SCIE courses.

Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

629. Advanced Topics in Cellular/Molecular Biology (3).

An in-depth study of selected topics in cellular and molecular biology, comprising both lecture and seminar-style discussion of recent research literature. Laboratory sections, when offered, emphasize the experimental application of modern molecular techniques.

Prerequisite(s): Permission of instructor.

Corequisite(s) : Biology 630 when offered in the same semester.

Notes: May be retaken for additional credit with permission of advisor or chair, Department of Biology. Offered every odd year in fall.

Courses of Study

630. Advanced Cellular and Molecular Biology Lab (1:0-3).

A laboratory course which accompanies Biology 629 in some semesters. The course will cover cellular physiology or offer advanced techniques in molecular biology. Notes: Lab Fee: \$35.

631. Advanced Topics in Organismal and Developmental Biology (3).

Course topics will vary from semester to semester. Topics will include advanced animal social behavior, invertebrate biology and advanced instruction in developmental biology.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit with permission of advisor or chair, Department of Biology. Offered every even year in spring.

632. Advanced Topics in Ecology/Evolutionary Biology (3).

Course will vary from semester to semester. Course topics will include plant ecology, insect ecology, human ecology and advanced evolutionary biology.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit with the permission of advisor or chair, Department of Biology. Offered every odd year in spring.

633. Advanced Topics in Physiology/Integrative Biology (3).

An in-depth study of selected homeostatic mechanisms in animals, comprising both lecture and seminar-style discussion of recent research literature.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit with permission of advisor or chair, Department of Biology. Offered every even year in fall.

640. Readings in Biology (1:1).

A seminar in which a book or series of research papers will be read and discussed with reference to important current issues in biology.

Prerequisite(s): Permission of instructor.

Notes: A grade of S or U is recorded. May

be retaken for additional credit. Offered in fall and spring.

671. Graduate Research in Biology (3).

Graduate students participate in scholarly research with a graduate faculty member. Prerequisite(s): Graduate standing, non-thesis option students only.

Notes: May not be repeated for credit.

Offered fall, spring and summer.

695-696. Thesis (3) (3).

Faculty-directed student research, offered individually, culminating in a written thesis for the MS degree in biology degree.

Notes: Lab Fee: \$30. Offered in fall, spring and summer.

697. Presentation of Biological Research (1).

Students will prepare a seminar presentation based on thesis research and will present it as a part of the departmental seminar series.

Prerequisite(s): Thesis option and permission of instructor.

Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

Business Administration (BADM)

501. Estate Planning (3).

Wills, real estate, life insurance and the federal income and estate and gift laws.

Prerequisite(s): ACCT 280. ACCT 281 recommended.

503. Commercial Law (3).

The study of legal issues and problems in American business and commerce.

Prerequisite(s): ECON 350.

510. Sport Law (3).

The study of state and federal laws and regulations that control and impact professional and amateur sport activities.

Prerequisite(s): ACCT 280.

525. Entrepreneurial Strategy (3).

This course focuses on the challenges and opportunities associated with control, growth and transition of developing businesses. The course identifies the critical factors that lead to success or failure and utilizes them in evaluation of present business situations. Prerequisite(s): BADM 372 or graduate status.

561. Electronic Commerce for Managers (3:3:0).

This course focuses on the management of e-commerce and its major opportunities, limitations, issues and risks. Since e-commerce is interdisciplinary, professional in any functional area will find it of interest. Prerequisite(s): MGMT 341 or MGMT 661.

580. Financial Markets Seminar (3).

This course provides lectures, panel discussions and site visits relevant to the world of business through the participation in a week-long seminar series in New York City and Washington, D.C. and other possible locations.

Prerequisite(s): ACCT 280 and ACCT 281 recommended.

581. Special Topics in Business Administration (3).

A study of a topic in the area of Business Administration.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit.

595. Research in Business Administration (3).

Prerequisite(s): Permission of Dean, College of Business Administration.

Notes: May be retaken for additional credit.

600. International Field Experience (3:3:0).

On-site study of businesses, government institutions and financial markets within dominant and emergent international trade groups of nations.

Prerequisite(s): Graduate status.

620. Issues in U. S. Healthcare Delivery (3).

An overview of the U. S. healthcare delivery system, including history, development and division of the component parts involved. An

investigation of the ethical, business and sociological forces that affect healthcare. Notes: Cross-listed as HLSM 620.

633. International Business Culture (3:3:0).

This course is a seminar designed to introduce the student to the variables that contribute to determine a country or international region's business culture. Topics will vary by region but could include: interpersonal business behavior, communications and etiquette, ethics, negotiations, preparations, expectations, etc.

671A. Introduction to Accounting (3:3:0).

Preparation of accounting information according to GAAP and analysis of accounting data for the purposes of planning and control.

671B. Statistical Methods for Decision Making (3:3:0).

Statistical methods, regression, and time series analysis in the decision making process. Prerequisite(s): EMBA status.

671C. Principles of Economics (3:3:0).

Survey and application of basic economic principles of macroeconomics and microeconomics.

Prerequisite(s): EMBA status

671D. Managerial Communications in a Changing Environment (3:3:0).

Communication in a changing environment including: writing skills, presentation skills, cross-cultural communication skills and crisis management skills

Prerequisite(s): EMBA status.

672A. Financial Policy (3:3:0).

A case, lecture and computer application course examining financial management decision making such as financial ratios, time value of money, security valuation and capital budgeting.

Prerequisite(s): EMBA status.

672B. Technology and MIS (3:3:0).

Study of the organizational usage of information systems and technology. Emphasis is on the impact of information systems on organizations regarding competitive advantage, structure, decision making and individual productivity.

Prerequisite(s): EMBA status.

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672C. Integrated Business Modeling(3:3:0).

The integration of knowledge derived from functional business areas into a balanced overall view of an entire business enterprise through the use of a simulated business plan. Prerequisite(s): BADM 671A.

672D. Marketing Management (3:3:0).

The course in an in-depth study of marketing management that looks at analyzing, planning, implementing and controlling the concept, pricing, promotion and distribution of goods, services and ideas to create exchanges that satisfy customer and organizational objectives. Prerequisite(s): EMBA status.

673A. Operations Management (3:3:0).

Management of operations within both goods production and service production systems. Emphasis is placed on problem identification, analysis of alternatives and decision-making techniques. Prerequisite(s): EMBA status.

673B. Values-Based Leadership and the Use of Influence in Organizations (3:3:0).

The nature of values-based leadership and the application of influence explored from several perspectives within the organization. Prerequisite(s): EMBA status.

673C. Global Business (3:3:0).

The economic, political, regulatory, financial, ethical and cultural environment of global business. Global strategy, marketing, financial management, accounting, operations, human resources management , business negotiations and trade. Prerequisite(s): EMBA status.

673D. Financial Statement Analysis (3:3:0).

The course focuses on using financial statements in valuation. Students will learn the development of valuation models including asset-based valuation models. The course employs valuation models for purposes of valuing companies, for marketing individual and corporate investment decisions and for evaluating and directing management. Prerequisite(s): BADM 672A.

674A. Sustainable Development in Organizations (3:3:0).

Sustainable development is primarily concerned with three topics, ethics, social responsibility, and the obligations organizations have in interacting with the physical environment. It uses the scientific principles of nature to help decision makers achieve the maximum positive impact of all resources and adapt to change.

674B. Managerial Economics (3:3:0).

Application of economic principles and methods of analysis to managerial decision-making situations. Prerequisite(s): EMBA status.

674C. Human Resources As Competitive Advantage (3:3:0).

A survey of HR topics and skills, taken from a strategic and general manager's perspective. It is designed to give managers a working knowledge of the contributions, goals, objectives and skills of human resource management as part of a total program of achieving strategic advantage and organizational effectiveness. Prerequisite(s): EMBA status

674D. Strategic Management (3:3:0).

Seminar in strategic management designed to integrate business functions and examine issues that develop in the relationship between organizations and their changing environment both global and domestic. Prerequisite(s): EMBA status.

680. Research Project (3:3:0).

An elective course that could entail a field-based learning project or faculty-directed research investigation in a subject that is relevant to an individual's career aspiration. Prerequisite(s): Completion of EMBA Module 1 and Module 2.

681. EMBA Module 1 (12).

Four-course module which covers Financial Accounting, Statistical Methods for Decision-making, Principles of Economics and Advanced Business Communications.

682. EMBA Module 2 (12).

Four-course module which covers Financial Policy, Survey of Management, Managerial Accounting and Principles of Marketing.

683. EMBA Module 3 (12).

Four-course module which covers Marketing Management, Theory and Behavior of Business Organizations, International Finance and Information Systems for Management Decisions.

684. EMBA Module 4 (12).

Four-course module which covers Advanced Human Resources Management, Business Policy, Managerial Economics and Operations Management.

694. Internship in Business Administration (3).

Restricted to students with limited business experience or who wish to switch career paths. This internship integrates a student's classroom learning with practical work experience.

Prerequisite(s): 3.0 GPA and permission of internship coordinator/instructor.

695. Thesis (3).

696. Thesis (3).

Chemistry (CHEM)

502. Instrumental Analysis (3).

A study of contemporary methods and techniques of analysis of inorganic and organic materials.

Prerequisite(s): Grade of C or better in all of the following: CHEM 301, 303, 313 and 314.

Corequisite(s): CHEM 302, 304 and 503.

Notes: Offered in spring.

503. Instrumental Analysis Laboratory (1:0-3).

Prerequisite(s): CHEM 303 and 314.

Corequisite(s): CHEM 502.

Notes: Lab Fee: \$40. Offered in spring.

504. Instrumental Data Interpretation (1:0-3).

Interpretation of spectral, chromatographic and electrochemical data.

Prerequisite(s): Grade of C or better in all of the following: CHEM 302, 304, 313 and 314.

Corequisite(s): CHEM 502 and 503.

Notes: Lab Fee: \$40. Offered as needed.

515. Special Topics in Chemistry (3).

Topics in chemistry selected by the instructor. Prerequisite(s): Junior status and permission of instructor.

Notes: May be retaken for additional credit. Offered as needed.

517. Advanced Environmental Chemistry (4:3-3).

A course to develop an in-depth understanding of the molecular basis for contemporary environmental problems involving air, water, soil, energy generation and toxic substances. Topics covered include reaction mechanisms for stratospheric ozone production, and dioxin/dibenzofuran formation; complex equilibria of natural waters; biochemical toxicology of heavy metals, pesticides, PCB's and PAH's; indoor air pollution; endocrine disrupters; ground and surface water contamination; biodegradability and transport of modern pesticides; and air/water equilibria. The course text is supplemented with readings from recent literature to focus on environmental problems facing rapidly growing metropolitan areas. Laboratory work requires demonstrated competence with advanced analytical instrumentation, field sampling, data analysis and modeling.

Prerequisite(s): Grade of C or better in CHEM 302, 304, 313 and 314.

Notes: Lab fee: \$40. Offered in fall.

521. Nutritional Biochemistry (3: 3: 0).

A comprehensive study of the biochemical and physiological fundamentals of nutrition.

Prerequisite(s): CHEM 301, 303 with a C or better. Open to nutrition majors only.

Permission of instructor.

Notes: Offered in spring.

Courses of Study

522. Nutritional Biochemistry Laboratory (1:1-3).

A laboratory course to be taken in conjunction with the nutritional biochemistry lecture course, CHEM 521.

Corequisite(s): CHEM 521.

Notes: Lab fee: \$40. Offered as needed.

523. Biochemistry I (3).

A study of the structure, chemistry and macromolecular interactions of biochemical systems, enzyme mechanisms and kinetics, bioenergetics, intermediary metabolism, principles of biochemical techniques and molecular genetics.

Prerequisite(s): Grade of C or better in all of the following: CHEM 302, CHEM 304, BIOL 203 and BIOL 204.

Corequisite: CHEM 525

Notes: Offered in fall.

524. Biochemistry II (3).

A study of the structure, chemistry, and macromolecular interactions of biochemical systems, enzyme mechanisms and kinetics, bioenergetics, intermediary metabolism, principles of biochemical techniques, and molecular genetics.

Prerequisite(s): Grade of C or better in CHEM 323.

Notes: Offered in spring.

525. Biochemistry Laboratory Techniques (1:0-3).

Laboratory emphasizes modern biochemical techniques of protein purification, assaying enzyme activity and enzyme kinetics.

Prerequisite(s): Grade of C or better in CHEM 302 and 304.

Corequisite(s): CHEM 523.

Notes: Lab Fee: \$40. Offered in fall.

526. Advanced Investigative Biochemistry Laboratory (2:0-6).

An advanced lab course in advanced biochemical protein techniques. The work centers on laboratory investigations in an area of modern research interest that will require students to learn and to demonstrate a mastery of multiple protein techniques.

Prerequisite(s): Grade of C or better in all of

the following: CHEM 302, 304, 523 and 525.

Corequisite(s): CHEM 524.

Notes: Lab fee: \$80. Offered odd years in spring.

527. Biochemical Toxicology (3).

An in-depth study of the biochemical, molecular and cellular mechanisms through which toxicants alter cellular homeostasis, produce toxicity and alter organ function.

Prerequisite(s): CHEM 523. Permission of the instructor.

Notes: Offered as needed.

530. Inorganic Chemistry (3).

An intermediate level study of atomic and molecular structure, bonding, crystals, coordination compounds and selected topics.

Prerequisite(s): Grade of C or better in all of the following: CHEM 313, 314, 330, 332, 407 and 409.

Corequisite(s): CHEM 408, 410 and 502.

Notes: Offered in fall.

541. Chemical Kinetics (1).

An advanced course in the fundamental principles of chemical kinetics in homogeneous liquid and gaseous systems and at solid surfaces.

Prerequisite(s): CHEM 407 and 409.

Corequisite(s): CHEM 408 and 410.

Notes: Offered every even year in spring.

542. *ab initio* Methods in Computational Chemistry (1: .67-1).

An advanced course that focuses on the principles and techniques of *ab initio* computational chemistry–Hartree-Fock and density functionality. Students will use these methods to calculate a number of chemical and thermodynamic properties.

Prerequisite(s): CHEM 302,304, 407 and 409.

Corequisite(s): CHEM 408 and 410.

Notes: Offered odd years in spring.

551. Research (3).

Prerequisite(s): CHEM 407, 409 and permission of instructor.

Notes: Lab Fee: \$40. May be retaken a maximum of three times for additional credit.

552. Research (3).

Prerequisite(s): CHEM 551 or equivalent.
Notes: Lab Fee: \$40. Offered fall, spring and summer.

553. Independent Study in Chemistry (3:0-9).

Directed advanced research.
Prerequisite(s): Permission of chair, Department of Chemistry, and CHEM 552.
Notes: Lab Fee: \$40. Offered fall, spring and summer.

560. Atomic Spectroscopy (1).

An advanced course that focuses on the principles and techniques of modern atomic spectroscopy, to include signal generation in atomic spectroscopy, signal-to-noise concepts, the range of techniques and instrumentation used in atomic spectroscopy, methods of analysis, and horizon techniques in atomic spectroscopy.
Prerequisite(s): CHEM 302, 313, 407 and 502.
Notes: Lab fee: \$40. Offered every even year in spring.

561. Gas Chromatography (1).

An advanced course that focuses on the principles and techniques of modern gas chromatography, to include separation theory, stationary phases, column technology, GC inlets, injection techniques, detectors, thermodynamic retention modeling and temperature/pressure effects.
Prerequisite(s): CHEM 302, 313, 407 and 502.

562. Molecular Spectroscopy (1).

An advanced course that focuses on the principles and techniques of modern molecular spectroscopy, to include signal generation in molecular absorption and luminescence spectroscopy, signal-to-noise concepts, the range of techniques and instrumentation used in molecular absorption and luminescence spectroscopy, methods of analysis and horizon techniques in molecular spectroscopy.
Prerequisite(s): CHEM 302, 313, 407 and 502.
Notes: Lab fee: \$40. Offered every even year in fall.

563. Liquid Chromatography (1).

An advanced course that focuses on the principles and techniques of modern liquid chromatography, to include separation theory, instrumentation, stationary and mobile phases, column technology, injection techniques, detectors and chiral separations.
Prerequisite(s): CHEM 302, 313, 407, and 502.
Notes: Offered every odd year in spring.

564. Mass Spectrometry (1).

An advanced course that focuses on the principles, techniques and applications of modern mass spectrometry, to include ion trap MS, electro spray LC/MS, time of flight mass spectrometry, ICP-MS and MALDI.
Prerequisite(s): CHEM 502 and 503.
Notes: Lab fee: \$40. Offered every odd year in fall.

565. Chemometrics (1).

A course in chemometric methods, theory and techniques.
Prerequisite(s): CHEM 313.

566. Sample Preparation (1).

An advanced course that focuses on the principles and techniques involved in sample collection and treatment, including standard reference materials, sampling of mixtures, dissolution and digestion, extraction and dialysis, purge and trap, supercritical fluid extraction and flow injections analysis.
Prerequisite(s): CHEM 302, 313, 407 and 502.
Notes: Lab fee: \$40. Offered every odd year in fall.

567. NMR Spectroscopy (1).

An advanced course in modern NMR Spectroscopy covering relaxation measurements, two-dimensional NMR techniques and multinuclear NMR.
Prerequisite(s): CHEM 408, 410, 502 and 503.
Notes: Lab fee: \$40.

570. Chemical Synthesis (2:0-6).

An advanced lab course in chemical synthesis and characterization. Emphasis is on specialized techniques for synthesizing organic

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and inorganic compounds.

Prerequisite(s): Grade of C or better in all of the following: CHEM 302, 304, 313, 314, 330, 332, 407 and 409.

Corequisite(s): CHEM 502 and 503.

580. Laboratory Experimental Design and Preparation/Stockroom Procedures (1).

Development and selection of teaching materials that reflect concepts of content and emphasis in middle and secondary school science. Experimental and laboratory approaches, including use of microcomputer and video technologies.

Prerequisite(s): CHEM 301.

581. Literature of Chemical Education/Teaching Assistant Experience (1).

Explores the evolution of chemical education and chemical education research with special emphasis on current trends. Utilizing the participant-observed role, required participation in selected educational situations with emphasis on development of observational skills, ability to record relevant observations by means of written journals, skills in analyzing experiences identifying critical incidents and projection of events and consequences.

Notes: Offered as needed

Computer Science (CSCI)

514. Control and Audit of Information Systems (3:3-0).

This course will study the design of internal controls necessary for information systems and the testing necessary to assure the data integrity of the system. Audit techniques, especially computerized audit software, will be analyzed and audit approaches designed. Audit work plans and measures of asset safeguarding will be prepared and evaluated. Prerequisite(s): ACCT 280 and MGMT 341 or MGMT 661.

555. Database Processing (3:3-0).

The study of the fundamental concepts and principles of database systems and processing. Several database models are

considered with emphasis on the relational model. The student creates, loads and accesses a database using at least two existing database management systems.

Prerequisite(s): CSCI 271 or 325.

Notes: Offered in spring.

570. Parallel Computing (3).

Survey of the architectures and algorithms to support Parallel Programming. Students will learn to program a parallel system for a variety of problem topics.

581. Special Topics in Computer Science (3).

A study of a topic in the area of computer science.

Prerequisite(s): Permission of chair, Department of Computer Science.

Notes: May be retaken for additional credit.

611. Business Process Re-engineering Using Object and Internet Technology (3).

The study of business process re-engineering and how object technology, Unified Modeling Language (UML) and Internet technology (electronic commerce, etc.) Can be used to identify, define, design and re-engineer business processes and systems in an increasingly technology-driven world.

Prerequisite(s): MGMT 661 or CSCI 475.

620. Software Design and Architecture (3).

The study of formal software design and architecture principles emphasizing an engineering approach to the software development process. Includes intermediate abstractions of software architectural styles to help bridge the gap between software needs and software solutions. Students are required to participate in a team project.

Prerequisite(s): CSCI 475

Notes: Offered in spring.

621. Software Project Management (3).

An introduction to the economics, metrics and management strategies required to plan and successfully execute a software project. The fundamentals of software engineering, requirements, design and realizations are utilized to focus both software professionals and project managers on process models and practices.

Prerequisite(s): CSCI 207, QMTH 205 and

MGMT 341.

Notes: Offered in spring.

626. Software Quality Assurance (3).

This course develops methods for measuring quality of software processes and products. It reviews statistical principles and methods, introduces measures for software products and development processes and considers common standards such as ISO 9000.

Prerequisite(s): CSCI 475 and QMTH 651.

680. Software Development (3).

An extensive and intensive project involving all aspects of a software development project including teamwork, requirements specification, design, configuration, coding, testing, quality control and evaluation.

Prerequisite(s): CSCI 620, 621 and 626.

681. Advanced Placement Teacher Training in Computer Science (3).

This course is training teachers of AP in CS courses in the language used by the AP test given by the College Board.

Prerequisite(s): Permission of instructor.

Counseling and Development (CSDV)

600. Professional Orientation Seminar (1).

Orientation to all aspects of the counseling profession including historical, ethical, professional issues, organizational structures, credentialing, public policy, professional preparation standards, roles and functions of professional counselors.

601. Fundamentals of Counseling (3).

Introduction to the theoretical approaches in counseling and their application to settings in education and agencies.

602. Pre-Practicum Laboratory (2).

Facilitative interpersonal skills are taught and demonstrated by the instructor. Students practice the skills in role playing situations. Skills included are physical and psychological attending, basic listening and responding, initiating and personalizing.

603. Career and Lifestyle Development (3).

Overviews of the major theories and skill areas in educational planning, career and lifestyle development, work and motivation. Emphasis is placed on understanding and applying knowledge and skills of career development activities in appropriate counseling settings.

604. Orientation to Community Counseling (3).

An overview of the roles and functions of counselors in community counseling settings. Organizational and administrative structures of human services agencies as well as staffing patterns, clientele and interagency relationships are examined.

Prerequisite(s): CSDV 600.

605. Social and Cultural Issues (3).

The study of current social and cultural issues which shape human behavior and affect the practice of counseling. Emphasis is placed on multicultural counseling and issues such as gender, aging, sexuality, poverty, special needs, etc., are addressed.

606. Group Counseling (3).

Study and practice of basic group counseling theories and dynamics with emphasis on techniques and application; ethical responsibility and current trends with experiential opportunities provided.

Prerequisite(s): CSDV 600, 601 and 602.

607. Appraisal of the Individual (3).

This course is designed to provide school and community counselors with a working knowledge of the various standardized tests used in educational, vocational and social/personal counseling. Students take, administer, score and record the results of various standardized tests. The uses of sociometric techniques and other appraisal techniques are reviewed and evaluated.

608. Loss and Grief Counseling (3).

This course views loss as a broad, inclusive experience across the lifespan. Skills and interventions for grief counseling are developed. Developmental risks for all ages are explored.

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609. Practicum Seminar (3:2-1).

This course deals with the application of counseling theory to the practical interview situation. The counseling process and the core elements of a facilitative counseling relationship will be examined. Students will begin to develop basic interviewing skills through simulated role-play. The 100 clock hour applied supervised counseling experience in individual and group counseling will be fulfilled in Advanced Practicum. Prerequisite(s): CSDV 600, 601 and 602; CSDV 604 or 613.

610. Advanced Practicum (3:1-2).

A supervised 100 clock hour, field-based experience in an applied setting for the development of individual and group counseling skills. Prerequisite(s): CSDV 613 or 604, CSVD 600, 601, 602, 606, 607, 609, and 614; and EDUC 640.

611. Counseling Internship I (6).

A supervised 300-hour, field-based experience in an applied setting appropriate to program specialization (community counseling or school counseling). Prerequisite(s): CSDV 600, 601, 602, 603, 605, 606, 607, 609, 610 and 614; EDUC 640; CSDV 604 or 613. Notes: A grade or S or U is recorded.

612. Counseling Internship II (3).

A supervised 300-hour, field-based experience in an applied setting appropriate to program specialization (community counseling or school counseling). Prerequisite(s): CSDV 600, 601, 602, 603, 605, 606, 607, 609, 610, 611 and 614; EDUC 640; and CSDV 604 or 613. Notes: A grade or S or U is recorded.

613. Orientation to Elementary and Secondary School Counseling (3).

This course includes theories of human growth and development with emphasis on child and adolescent development; history, philosophy and trends in school counseling; role and function of the school counselor as counselor, consultant and coordinator; ethics of school counseling; and the diversity of students as counseled by the counselor.

614. Lifespan Developmental Counseling (3).

This course provides counselors with a lifespan developmental theoretical and research foundation for clinical and educational practice. It explores the individual, environmental and familial factors affecting developmental progression and delay. The class is aimed at praxis and encourages the utilization of strategies for facilitating development across the lifespan.

615. Comprehensive Developmental School Counseling (3).

This course provides an understanding of the planning, organizing, implementation and evaluation of a comprehensive developmental school counseling program. Prerequisite(s): CSDV 613.

617. Introduction to Marriage and Family Counseling (3).

This course introduces the learner to a variety of counseling skills and marriage and family techniques for effective clinical work with individuals, couples and families. Prerequisite(s): CSDV 601 and CSDV 602.

618. Addictions Counseling (3).

This course introduces the learner to the prevention and treatment of substance abuse and chemical dependency. Prerequisite(s): CSDV 601 and CSDV 602.

619. Counseling Supervision (3).

This course addresses theories and techniques of counselor supervision. Students have opportunities to solidify a theoretical model of supervision practice, to clarify a personal supervisory style, to internalize a supervisory identity and to develop skills and ethical reasoning critical to clinical and administrative supervision of counselors. Prerequisite(s): Permission of instructor.

620. Clinical Psychopathology in Counseling (3).

A survey of clinical disorders and their origins and characteristics. Includes a review of contemporary diagnostic systems, research, theory and counseling interventions. Prerequisite(s): Permission of instructor.

621. Diagnosis and Treatment Planning Counseling (3).

This course acquaints prospective counselors with descriptive, research-based knowledge that contributes to the diagnosis and treatment of mental health disorders, including disorder of behavior and impulse control, mood and anxiety as well as various personality disorders and disorders involving loss of contact of reality.

Prerequisite(s): Permission of instructor.

622. Counseling Children and Adolescents (3).

The course includes discussion and application of counseling theories, techniques and issues related to child and adolescent development.

Prerequisite(s): Permission of instructor.

650-659. Special Topics in Counseling (1) (2) (3).

Designed to provide selected, special topics in counseling.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit.

Dance Theory (DANT)

540. Principles of Teaching Dance, K-12 (3:2:1:).

The use of state and national dance standards for the conduct and organization of dance lessons in the schools will be explored and examined.

Prerequisite(s): DANT 210 and DANT 372.

542. Dance Pedagogy: Modern, Jazz, Ballet (3:2-2).

The use of pedagogical principles for the conduct and organization of dance lessons in modern, jazz and ballet.

Prerequisite(s): DANT 372 and three of the following: DANA 112, 122, 211, 212, 221, 222, 311 and 312, or permission of instructor.

598. Special Topics in Dance (1) (2) (3).

Extension of individual opportunities in dance beyond existing departmental curriculum limits.

Prerequisite(s): Permission of chair, Department of Theatre and Dance.

Notes: May be retaken for additional credit.

630. Seminar: Contemporary Dance (3).

The observation, study and critiquing of contemporary dance companies and choreographers in live and/or videotaped setting. Attention is directed toward the relationship of the East-West tradition within the scope of dance history.

640. Seminar: Contemporary Issues and Trends in Dance Education (3).

Current issues and trends in curriculum, pedagogy and technology as applied to dance education.

691. Principles of Teaching Dance: Curriculum and Pedagogy (3).

Synthesizes curriculum practices K-12 in dance, design, development and evaluation. Addresses specific instructional needs and techniques in diverse settings.

Corequisite(s): DANT 692.

Notes: Offered in fall.

692. Field Experience in Teaching Dance (1).

The course uses laboratory experiences equivalent to 14 full days to lead dance education students through an exploration and examination of various research based programs of instructional planning, methodology, classroom management and evaluation of teaching and learning to complement content covered in DANT 691.

Corequisite(s): DANT 691.

Notes: Offered in fall.

Early Childhood Education (ECED)

550. Special Topics in Early Childhood (3: 3: 0).

Current topics of concern and interest to early childhood caregivers (teachers, headstart workers, family and children's service agencies, etc.)

Notes: Inclusion of this course in a Program of Study requires the approval of the Program Area Committee.

Courses of Study

631. Home-School-Community Collaboration (3).

This course will provide graduate students with information concerning children (prenatal through age 8) and their families' rights to full and appropriate access to public education and human services.

636. Early Childhood Development and Implications for Developmentally Appropriate Practices (DAP) (3).

An advanced study of early childhood development including current brain research, theoretical principles and practices, and implications for teaching and learning.

660. Emergent Literacy and the Integrated Curriculum (3).

The course will enable teachers to design and implement developmentally appropriate literacy experiences within a multidisciplinary framework.

661. Contemporary Issues in Early Childhood Care and Education (3).

An analysis of current early care and educational issues concerning children (prenatal to age 8) and their families.

691. Practicum in Teaching in Early Childhood Education (3).

Planning a curriculum for 3-, 4-, 5- and 6-year olds; includes setting up and evaluating learning centers; collecting and analyzing data; and self evaluation.

Prerequisite(s): SCWK 531 or permission of instructor.

Economics (ECON)

521. International Trade and Investment (3).

Theory and policy in international trade and investment with emphasis on the motives and mechanisms of international economic and financial transactions.

Prerequisite(s): ECON 202.

609. Survey of Economic Principles (3).

Survey and applications of basic economic principles of macroeconomics and microeconomics.

Notes: A grade of S or U is recorded. Meets a prerequisite requirement only; credit not applicable to MBA Program.

670. Techniques of Economic Education (3).

A study of basic economic principles designed for public school teachers.

677. Teaching Economics in the K-5 Social Studies Standards (3).

Prepares K-5 teachers to teach economic concepts in accordance with the state's social studies standards. Teaches economic concepts and shows how to integrate them into economics, geography, government, and history subject areas.

680. Advanced Techniques of Economic Education (3).

An analysis of the economic aspects of current events designed for public school teachers.

686. Advanced Placement Teacher Training in Macroeconomics (3).

This course prepares high school teachers to teach an Advanced Placement course in Macroeconomics.

688. Advanced Placement Teacher Training in Microeconomics (3).

This is a course that prepares high school teachers to teach an Advanced Placement course in Microeconomics.

693. Industrial Economics and Public Policy (3:3-0).

An integrated seminar on industrial economics and public policy with focus on appropriate and timely issues.

Prerequisite(s): ECON 201 and 202 or ECON 609.

Notes: Offered in fall, spring and summer.

Education, Curriculum and Instruction (EDCI)

600. Philosophy, Organization and Curriculum of the Middle School (3).

An examination of the history, philosophy, curriculum and structure of middle schools. Middle school theories, concepts and research findings relative to exemplary programs and practice are emphasized.

610. Early Adolescence in Contemporary Society (3).

An examination of the developmental characteristics of early adolescents in contemporary society using interdisciplinary themes, young adult books and other media.

611. Curriculum Development and Instructional Strategies (3).

An advanced study of the salient issues in curriculum and instruction. Content will focus on research-based teaching strategies as well as the design and development of curriculum.

620. Content Literacy in Middle Schools (3).

An examination of literacy strategies and materials appropriate for subject and interdisciplinary needs of developmentally diverse learners in middle schools.

Prerequisite(s): EDCI 610.

Notes: A student may not receive credit for EDCI 620 and READ 645.

630. Pedagogy and Assessment in the Middle School (3).

A study of research-based methodologies for effective middle school teaching and assessment. Empirically verified methods of pedagogical content selection, planning, delivery and assessment appropriate to middle school teaching are emphasized.

Prerequisite(s): EDCI 600, 610 and EDUC 681.

635. Using Data to Improve Teaching and Learning (3).

This course is designed to assist the instructional leader to collect, analyze and use data to improve the teaching-learning process. Prerequisite(s): EDUC 640.

636. Contemporary Issues and Trends in Curriculum and Instruction (3).

An examination of contemporary, salient issues in Curriculum and Instruction (C&I); the role of educational policy in school reform; and the links among elements of policy and practice.

Prerequisite(s): EDUC 640, EDUC 670 and EDCI 635.

637. Capstone: Advanced Field Placement (3).

The focus of this course is the preparation and completion of a field-based project reflecting the candidate's knowledge of an approved topic and its implications for curriculum, instruction and assessment.

Prerequisite(s): EDCI 635, 636 and SPED 681.

642. Teaching Preschool Children with Disabilities: Developmentally Appropriate Practice (3).

Content for this course addresses developmentally appropriate practices and strategies for teaching young children with disabilities.

Notes: Offered in summer.

644. Behavioral Intervention with Students with Autism (3).

This course is designed to provide students with knowledge and skills in applied behavior analysis, responsible use of technologies for behavior change programs, development of behavior intervention programs in accordance with IEP development, application of learning principles and teaching strategies, maintenance and generalization of behavior changes, teaching students to manage their own behavior and how to train others to implement behavior change procedures. Specifically, individuals with autism will be the focus of the content with students.

Courses of Study

645. Teaching Preschool Children with Disabilities: Characteristics of Disabilities and Implications for Learning (3).

The focus of the course is young children with disabilities with in-depth studies of the characteristics and development of such youngsters. In addition, strategies for teaching preschool children with special needs will be addressed. There will be opportunities for course participants to observe the young child with disabilities in a preschool learning setting.

690. Capstone and Advanced Field Experiences in the Middle School (3:2-1).

The principal focus of this course is the development, implementation and evaluation of a project reflecting the candidate's knowledge of middle level education. Candidates also assemble a cumulative portfolio reflecting their professional studies and present this portfolio to a review committee.

Prerequisite(s): EDCI 600, 610, 620, 630 and EDUC 640, 670 and 681.

Notes: A grade of S or U is recorded.

695. Thesis (3).

The student will conduct an individual investigation on an applied research project. An oral defense is required.

Prerequisite(s): EDCI 635, 636 and SPED 681.

Education, General Professional (EDUC)

600. Teaching in a Democracy (3).

This course provides a survey of the social, legal and philosophical foundations of American education.

601. Psychology Applied to Teaching (3).

An integrated study of development, learning and motivation with emphasis on childhood and adolescence in the school setting and individual differences such as gender, cultural background and socioeconomic status.

602. Technology for the 21st-Century Classroom (2:0-2).

An introductory technology course required for MAT students. This course addresses the use of technology to: 1) acquire information; 2) develop communication skills; 3) develop subject area strategies for technology usage; 4) promote decision-making and problem-solving; and 5) address the needs of diverse learners.

605. Educational Assessment (3).

An introductory course in the assessment and research procedures commonly used in the field of education.

640. Educational Research, Design and Analysis (3).

A core course for graduate educators in the principles, methods and procedures of educational research, design and analysis. The development of a proposal outlining a study, project or practicum is required.

641. Tools of the Educational Technologist (3).

This course serves as a survey of the field of Educational Technology. Particular focus is paid to the vocational opportunities for Educational Technologists and the technology tools and software applications used in Educational Technology.

643. Education Technology Planning and Evaluation (3).

This course focuses on planning and evaluating small scale and large scale educational technology projects.

Prerequisite(s): EDUC 641

644. Strategies for Effective Application of Assistive Technology to Promote Learning (3).

The goal of this course is to prepare teachers who can use technology skills and applications in general education classrooms as well as unique settings to meet the needs of diverse learners, including those with disabilities, who are ESOL, and are at-risk for school failure. Prerequisite(s): EDUC 641 or permission of instructor.

650. Teaching and Learning with the Internet (3).

This course prepares in-service teachers to plan, implement and evaluate Internet-based learning activities in the classroom. Content includes web site evaluation, social, ethical and legal issues regarding Internet use in P-12 settings, curriculum integration of Internet activities aligned with P-12 standards and web site development.

Notes: Offered in fall and summer. Cannot be taken for S/U credit.

651. Connecting Curriculum and Technology (3).

The goal of this course is to help participants recognize the relationship between theory, design, technology and instruction.

Educational leaders must apply their knowledge of pedagogy, design, learning theory, technology and assessment techniques in order to address the needs of all learners. In this course participants will have an opportunity to design and implement planned lessons in their classrooms.

Notes: Cannot be taken for S/U credit.

655-659. Problems in Educational Practice (1) (2) (3).

Designed to assist school personnel in the identification, analysis and planning of strategies to overcome specific problems related to educational practices in the school.

Inclusion of this course in a program of study requires the approval of the program area committee.

Notes: May be retaken for additional credit.

660. Effective Teaching Strategies (3).

This course includes content central to students seeking initial licensure through the MAT program. Focus is on planning, instruction, classroom management, curriculum and assessments of student progress/learning.

Prerequisite(s): EDUC 600, 601, 602, 605 and SPED 610.

670. Schooling in American Society (3).

A course for teachers, administrators, counselors and other school personnel that focuses on key issues related to teaching and leading in a democracy. Students explore the

social, historical, legal and philosophical foundations of American education and how these foundations affect contemporary schools.

681. Advanced Educational Psychology (3).

An advanced psychological foundations course which examines contemporary research, issues and trends and their application to effective leadership, critical inquiry and stewardship in educational professions.

Prerequisite(s): EDUC 381 or equivalent.

690. School Internship (8:0-8).

A full semester, field-based student internship in area schools. Teaching assignments will be appropriate to licensure area. Supervision and evaluation of the internship will be provided by Winthrop faculty and public school mentor teacher(s).

Prerequisite(s): Completion of all MAT admission and core course requirements except EDUC 695.

Corequisite(s): EDUC 695.

Notes: Offered in fall and spring. A grade of S or U is recorded.

695. Capstone (1).

The course will allow students to explore and reflect upon current issues in education while enrolled in the school internship semester.

Primary focus will be on completion and presentation of a professional portfolio and other outcome-based assessments.

Prerequisite(s): Full admission to the MAT program; completion of all core courses except EDUC 690.

Corequisites(s): EDUC 690.

Notes: Offered in fall and spring.

699. Advanced Field Experiences (3).

Preparation and implementation of a field project in the student's area of emphasis.

Prerequisite(s): EDUC 640, permission of instructor and advisor.

Notes: A grade of S or U is recorded.

Educational Leadership (EDLD)

601. Leadership (3).

This course focuses on the theories of leadership and other human processes operating within an educational organization and society as a whole.

Notes: Offered in fall and summer.

602. Techniques of Supervision (3).

Designed for the preparation of general instructional supervisors who will work with elementary or secondary school teachers and for the preparation of subject area supervisors.

Notes: Offered in fall and summer.

603. Curriculum Leadership in Schools (3).

Designed for the preparation of administrators (principals and supervisors) for the management of the curriculum and instruction program in schools in keeping with the objectives of the school district.

Notes: Offered in fall and summer.

604. Principalship for the 21st Century (3).

This course will focus on the administration of schools in the areas of growth and development, leadership, curriculum planning, personnel, decision-making and current issues and trends in organizations.

Notes: Offered in spring and summer.

610. Fiscal and Business Management in Schools (3).

The focus of this course is on the information and management skills needed by principals to successfully operate a public school.

Notes: Offered in fall and summer.

611. School Law (3).

A study of constitutional, statutory and judicial law and current legal issues affecting school administrators and teachers.

Notes: Offered in spring and summer.

612. Technology for the School Leader I (3).

A study of the utilization of computers in the management of information at the local school level. With the use of hands-on activities and demonstrations, the course will primarily focus

on generating and using information.

Notes: Offered in spring and summer.

613. Preparing Leaders to Serve Students with Special Needs (3).

Designed for those preparing for school leadership roles. This course will detail the philosophies, legal and pragmatic approaches to serving children with special needs in schools. Emphasis will be on mastering the requirements of the federal and state laws as well as the special needs of families.

Prerequisite(s): Completion of all core courses and EDLD 601, 602, 603 and 604.

Notes: Offered in spring and summer.

616. School Personnel Development (3).

A study of the major functions of personnel selection and professional development within the school setting. The study includes both certified and classified personnel.

619. Conflict Management in Public School Administration (3).

The course will deal with interpersonal conflict, organizational conflict, institutional conflict, school/community conflict, social conflict and all other attending problems.

Prerequisite(s): A minimum of two years of teaching experience.

620. Internship I (3).

The internship is designed as one part of a three-part experience to allow the student to put theory into practice. During this course the candidates work under the supervision of school administrators and participate in problem-solving seminars. The students will identify areas they wish to strengthen. A plan will be developed to enhance their skills in the identified areas which will be implemented during the second and third parts of the internship experience.

Prerequisite(s): Complete core courses and EDLD 601, 602, 603 and 604.

Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

621. Internship II (3).

The internship is designed as one part of a three-part experience to allow the student to put theory into practice. During this course, the candidates work under the supervision of school administrators and participate in problem-solving seminars. The students will identify areas they wish to strengthen. A plan will be developed to enhance their skills in the identified areas which will be implemented during the second and third parts of the internship experience.

Prerequisite(s): Complete core courses and EDLD 601, 602, 603 and 604.

Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

622. Internship III (3).

The internship is designed as one part of a three-part experience to allow the student to put theory into practice. During this course, the candidates work under the supervision of school administrators and participate in problem-solving seminars. The students will identify areas they wish to strengthen. A plan will be developed to enhance their skills in the identified areas which will be implemented during the second and third parts of the internship experience.

Prerequisite(s): Complete core courses and EDLD 601, 602, 603 and 604.

Notes: A grade of S or U is recorded. Offered in fall, spring and summer.

650-659. Problems in Educational Administration (1) (2) (3).

Designed to provide selected problem courses in educational administration to students studying for administrative positions in public schools.

Prerequisite(s): A minimum of two years of teaching experience.

Notes: May be retaken for additional credit.

Elementary Education (ELEM)

631. Science in the Elementary School (3).

Examination of theory, philosophy and objectives in science in the primary grades. Prerequisite(s): ELEM 431 or permission of instructor.

636. Problems in the Teaching of Mathematics (3).

A study of the problems in teaching mathematics in the elementary school. Attention will be given to emergency programs and procedures in elementary mathematics. Prerequisite(s): ELEM 436 or permission of instructor.

641. Social Studies in the Elementary School (3).

Students should be familiar with the current trends in social studies education and should develop their research and writing skills. Prerequisite(s): ELEM 341 or permission of instructor.

English (ENGL)

501. Modern British Poetry (3).

Study of the chief British poets from Yeats, Pound and Eliot to the present.

Prerequisite(s): One of the following: ENGL 202 and 203 or graduate status.

Notes: Offered every odd year in fall.

502. Studies in Non-Western Literature (3).

This course will focus on the major writers of the Non-Western World (Chinese, Japanese, Indian, Arabic, Islamic and African).

Notes: Offered every odd year in fall.

503. Major Victorian Writers (3).

Study of 19th-century British literature (poetry, non-fiction prose and fiction) with emphasis on main currents of thought.

Prerequisite(s): One of the following: ENGL 202, 203 or graduate status.

Notes: Offered every odd year in spring.

Courses of Study

504. Modern American Poetry (3).

A survey of American poetry of the 20th century with emphasis on major poets such as Pound, Frost, Stevens, Williams, Bishop, Brooks, Rich and Levertov.

Prerequisite(s): ENGL 210 and 211 or graduate status.

Notes: Offered every even year in spring.

510. Topics in Literature, Language and Rhetoric (3).

An examination of topics, issues and methodologies. Course content will vary.

Notes: Offered on sufficient demand.

May be retaken for additional credit with permission of chair, Department of English.

511. Chaucer (3).

Reading in Middle English of the *Canterbury Tales* and *Troilus and Criseyde*.

Prerequisite(s): One of the following: ENGL 201, 203 or graduate status.

Notes: Offered every even year in spring.

512. Middle English Literature (excluding Chaucer) (3).

Survey of Middle English literature, exclusive of Chaucer, with emphasis on major genres and authors. Texts are taught predominantly in Middle English.

Prerequisite(s): One of the following: ENGL 201, 203 or graduate status.

Notes: Offered odd year in spring.

513. Milton (3).

Milton's poetry and representative prose, his life and the background of the 17th century.

Prerequisite(s): One of the following: ENGL 201, 203 or graduate status.

Notes: Offered every even year in fall.

514. Elizabethan Literature (3).

A reading of poetry, prose narratives, drama and critical theory of the English Renaissance. Shakespeare's poetry is included, but not his plays.

Prerequisite(s): One of the following: ENGL 201, 203 or graduate status.

Notes: Offered every even year in spring.

515. 20th-Century Southern Literature (3).

Study of major fiction, poetry, drama and prose writers from the Nashville Fugitives to James Dickey.

Prerequisite(s): One of the following: ENGL 210, 211 or graduate status.

Notes: Offered every even year in fall.

518. African American Literature (3).

Chronological survey of the writings of African Americans with emphasis on contemporary writers.

Prerequisite(s): One of the following: ENGL 209, 210, 211 or graduate status.

Notes: Offered every even year in the spring.

520. 17th-Century English Literature (exclusive of Milton) (3).

Study of Cavalier and Metaphysical poets, important single figures (Donne, Marvell) and outstanding prose stylists.

Prerequisite(s): One of the following: ENGL 201, 203 or graduate status.

Notes: Offered every odd year in fall.

521. Restoration and 18th-Century English Literature (3).

A study of selected major works (excluding the novel) with some attention to dramatic comedy, satire, periodical essay, poetry and biography.

Prerequisites: ENGL 201, 203, or graduate status.

Notes: Offered every odd year in spring.

525. Studies in Irish Literature (3).

Study of Yeats, Joyce and other Irish writers from the viewpoint of history, folklore and mythology.

Prerequisite(s): One of the following: ENGL 201, 202, 203 or graduate status.

Notes: Offered every even year in fall.

527. English Romantic Poetry and Prose (3).

Study of the major works of Blake, Wordsworth, Coleridge, Byron, Shelley and Keats.

Prerequisite(s): One of the following: ENGL 202, 203 or graduate status.

Notes: Offered every even year in spring.

529. 20th-Century American Fiction and Drama (3).

Examination of representative fiction and drama with emphasis on writers such as Hemingway, Faulkner, Updike, O'Neill, Bellow, Warren, Heller, Ellison and Irving.

Prerequisite(s): One of the following: ENGL 210, 211 or graduate status.

Notes: Offered every odd year in spring.

600. Materials and Methods of Research in English (3).

A course to acquaint graduate students with advanced research materials, methods and techniques to familiarize them with other major critical approaches to literary study.

Notes: Offered in fall.

601. History of the Language (3).

Study of the major causes and patterns of linguistic change with special attention to research methods in English linguistics.

602. Critical Theory (3).

Study of critical theory and practice from Plato and Aristotle through Derrida; students apply theories to analyses of selected literary work.

605. The American Renaissance (3).

Study of the major works of Emerson, Thoreau, Whitman, Hawthorne and Melville.

611. Late 19th-Century American Literature: Realism and Naturalism (3).

Studies realistic and naturalistic theory and practice with emphasis on London, Twain, Norris, James, Crane and Howells.

612. 20th-Century British Fiction and Drama (3).

Study of selected works of Shaw, Forster, O'Casey, Joyce, Lawrence and Beckett and criticism of those works.

615. Seminar in Language and Rhetoric (3).

A seminar either in topics of language and rhetoric, periods or genres. Topics will vary with concentration ordinarily not duplicating material studied in other courses.

Notes: May be retaken for additional credit with permission of chair, Department of English.

618. Seminar in Comparative Literature (3).

This course will focus upon the major writers of the Western World, literary genres, literary themes, literary movements, influences or epochs.

Notes: May be retaken for additional credit with permission of chair, Department of English.

620. Readings in English (3).

Texts will be chosen by students in consultation with instructors; research will be directed by instructor.

Prerequisite(s): Permission of chair, Department of English.

Notes: May be retaken for additional credit.

622. Seminar in British Literature I: Before 1784 (3).

This course will focus on a particular topic, genre or figure(s) in British Literature prior to 1784.

Notes: May be retaken for additional credit.

623. Seminar in British Literature II: 1784 and After (3).

This course will focus on a particular topic, genre or figure(s) in British Literature 1784 and after.

Notes: May be retaken for additional credit.

624. Seminar in American Literature Before 1900 (3).

This seminar will focus on a genre, topic or author(s) in American Literature before 1900.

Notes: May be retaken for additional credit.

625. 20th-Century American Literature (3).

A seminar in special approaches to 20th-century American Literature; approaches might include authors, genre and topics.

Notes: May be retaken for additional credit.

630. The New Grammars (3).

Designed for teachers to study the generative-transformational grammar approach to English syntax.

Courses of Study

640. Shakespeare: The Plays (3).

Critical study of 10 or 12 plays representing the various genres (comedies, tragedies, histories and romances), illustrating the stages in Shakespeare's development.

650. The African American Novel (3).

A chronological study beginning with the 19th-century African American novel, moving through Harlem Renaissance writers such as Toomer and Hurston and concluding with contemporary ones such as Naylor and Morrison.

655. Topics in the Art of Teaching English (1-3).

Current approaches to teaching language and literature. Only 3 semester hours may be applied toward an MAT or MA degree in English.

Notes: May be retaken for additional credit.

695. Thesis (3).

Individual directed research and writing. Includes study of techniques and sources for scholarly writing.

Prerequisite(s): ENGL 600 or equivalent.

696. Thesis (3).

Individual directed research and writing.

Prerequisite(s): ENGL 600 or equivalent.

697, 698. Academic Internship in English (1), (1).

Under supervision of English faculty, students will observe and participate in activities related to the profession or discipline.

Prerequisite(s): Permission of chair, Department of English.

English Education (ENGE)

519. Adolescent Literature (3).

Study of literature appropriate for students preparing to teach at the secondary level with emphasis on literature written for adolescents.

Notes: Offered in spring.

591. Principles of Teaching English in Middle and Secondary Schools (3).

This course addresses specific instructional needs and techniques related to the teaching of English and is designed for students in the MAT program.

Prerequisite(s): Admission to Teacher Education Program.

592. Field Experience In Teaching English (1:0-8).

Students will spend 8 hours in the classroom under the supervision of an English Education Professor and will work with a mentor teacher, in preparation for the final internship experience.

Prerequisite(s): Admission to Teacher Education Program at Graduate Level.

Notes: A grade of S or U is recorded.

Environmental Science/Studies (ENVS)

510. Special Topics in the Environment (3).

A detailed examination of specific subjects in environmental issues, as chosen by the instructor.

Prerequisite(s): Permission of instructor.

Notes: Maybe retaken for additional credit.

Offered as needed.

520. Senior Seminar in the Environment (3).

Student groups will explore diverse approaches to a selected environmental issue.

Prerequisite(s): ENVS 101.

Notes: Offered in spring.

Finance (FINC)

512. Financial Investments Management (3).

A practical investment course that focuses on portfolio management through the use of an investment simulation.

Prerequisite(s): Grade of C or better in FINC 312 or in FINC 655.

513. Banking and Financial Service Management (3).

The application of financial management techniques is employed to the economic and regulatory environment of banks and financial service companies.

Prerequisite(s): Grade of C or better in FINC 312 or FINC 655.

514. International Financial Management (3).

The course examines factors that affect a company's financial management decisions in a global environment. Managerial finance in the multinational firm receives special attention.

Prerequisite(s): Grade of C or better in FINC 311.

655. Financial Policy Management (3).

A case, lecture and computer application course examining financial management, decision-making such as financial ratios, budgets, time value of money, security valuation and capital budgeting.

Prerequisite(s): Grade of C or better in FINC 311.

665. Financial Statement Analysis (3).

The course focuses on using financial statements in valuation. Students will learn the development of valuation models including those that are asset-based. The course employs models for purposes of valuing companies, for making individual and corporate investment decisions and for directing management.

Prerequisite(s): ACCT 306 or ACCT 654 and FINAC 655.

French (FREN)

From time to time, an additional course dealing with a special topic in French may be offered if sufficient student interest is indicated and a faculty member is available to teach the course. Consult the department chair about such a course.

Prerequisite for all 500-level French courses: completion of 18 semester hours of French or equivalent or permission of the chair, Department of Modern Languages.

510. Topics in Language and Literature (3).

Course content will vary, depending on student interest and faculty expertise.

Notes: May be retaken for additional credit with permission of chair, Department of Modern Languages.

513. Drama of the 17th Century: Corneille, Racine and Moliere (3).

Notes: Offered variable times.

517. 18th-Century Literature (3).

Study of the major literary works of the French Enlightenment, with some attention to historical, political and social, musical and artistic parallels.

Prerequisite(s): FREN 401 and 402.

Notes: Offered variable times.

523. Modern Novel (3).

A survey of major themes and developments in the modern French novel.

Prerequisite(s): FREN 401 and 402.

Notes: Offered variable times.

550. Medieval French Literature (3).

A study of the literary traditions of medieval France through an examination of works representing the major genres, writers and themes of the period.

Notes: Offered variable times.

560. Writers of the French Renaissance (3).

An introduction to the major writers of the 16th-century whose texts forged new parameters in French literary expression.

Notes: Offered variable times.

575. French Literature in Translation (3).

Readings and discussions of major works of French literature in English translation. A knowledge of French is not required. Course

Courses of Study

content can vary depending on the instructor.
Prerequisite(s): Open to advanced undergraduate and graduate students.

Notes: Undergraduate French majors cannot use FREN 575 towards the BA.

Notes: Offered variable times.

590. Contemporary France (3).

A survey of cultural, historical and intellectual development from the end of World War II to the present.

Notes: Offered variable times.

593. Advanced Oral and Written Communication (3:3-0).

A course designed primarily for students who are able to understand, speak and write French but who wish to improve and strengthen these skills while moving toward more natural expression of modern French.

695. Thesis (3).

696. Thesis (3).

Geography (GEOG)

500. Global Environment and Sustainable Development (3). This course discusses the question of sustainability, a new economic agenda of development that seeks a balance with issues of environmental protection and social equity so that the short-term needs of our generation do not compromise those of the future.

Prerequisite(s): GEOG 101.

Notes: Offered variable times.

525. Traveling Graduate Seminar in Geography (3).

Problem-orientated short course, which visits selected locations in North America, Mexico or the West Indies. Offered concurrently with GEOG 325.

Prerequisite(s): 6 hours of geography or permission of instructor.

Notes: Offered occasionally.

German (GERM)

506. German Critical Thought and Thinkers (3).

Will introduce the student to the richness of critical thought found in the intellectual heritage of German speaking countries.

Notes: Offered variable times.

510. Special Topics in German Language (3).

Advanced seminar offers the faculty and students an opportunity to intensively investigate a single author, movement or genre in Austrian, German and Swiss literature.

Notes: Offered variable times. May be retaken for additional credit with permission of chair, Department of Modern Languages.

520. Interrelation of German Music and Literature (3).

Examines the important interrelation between word and music in Germany and Austria in the 18th-, 19th- and 20th-centuries.

Notes: Offered variable times.

575. German Literature in Translation (3).

Readings and discussions of major works of German literature in English translation. A knowledge of German is not required. Course content can vary depending on the instructor.

Prerequisite(s): Open to advanced undergraduate and graduate students.

Notes: Offered variable times.

580. Techniques of Translation and Interpretation (3).

Will introduce the advanced German students to techniques and stylistics of translation and interpretation, essential skills necessary both for scholarship and for employment options with international agencies.

Notes: Offered variable times.

Gerontology (GRNT)

504. Sociology of Aging (3).

Analysis of the major social forces that affect aging and the ways modern society responds in planning for its elderly.

Notes: Cross listed as SOCL 504. Offered in fall and summer.

Graduate Studies Continuing (GSTC)

600. Continuing Graduate Studies (0).

This course is intended for graduate students who are continuing work on a graduate thesis, or special research topic, or preparing for comprehensive exams and who are not enrolled in any other coursework. Required of all candidates not otherwise enrolled in the semester of graduation.

Prerequisite(s): Permission of department/division chair.

Notes: Lab Fee: \$35.

Health (HLTH)

500. Contemporary Health Problems (3:3-3).

This course is designed to examine contemporary health concerns from a global perspective and how those issues filter down to the individual.

Prerequisite(s): Junior status.

Notes: Offered every other fall.

501. Substance Abuse Education (3:3-3).

This course is designed to discuss the effects of the use and abuse of alcohol, tobacco and other drugs on both the individual and society.

Prerequisite(s): Junior status.

Notes: Offered in spring.

503. School Health and Health Education (3).

A methods course for secondary health instruction.

Prerequisite(s): HLTH 300 or permission of instructor.

Notes: Not offered this academic year.

506. Human Sexuality (3).

A study of the problems, questions and issues of human sexuality as they relate to personal health and well-being.

507. Women's Health Issues (3:2-2).

A study of the questions, issues and problems of women's health as they relate to personal and community health and well-being.

608. Methods of Teaching Human Sexuality (3).

Methods of teaching human sexuality are emphasized to strengthen course participants' teaching techniques and classroom procedures.

Notes: Cross listed as VCED 608. Offered on demand.

Health Services Management (HLSM)

620. Issues in U.S. Healthcare Delivery (3).

An overview of the U.S. healthcare delivery system including history, development and division of the component parts involved. An investigation of the ethical, business and sociological forces that affect healthcare.

Notes: Cross listed as BADM 620. Offered in spring.

History (HIST)

500. Historiography and Methodology (3:2-2).

Intensive study and practice in historical writing and research with an overview of historiography and the nature of the discipline of history.

Prerequisite(s): CRTW 201 and HIST 101, 102, 211 and 212 or permission of instructor.

Notes: Intensive writing and intensive oral communication course. Offered fall, spring and summer.

505. History of South Carolina (3).

A survey of the development of South Carolina, emphasizing political, economic and cultural developments.

Notes: Offered variable times.

507. Cultural and Intellectual History of the United States (3).

A study of American thought and culture from the colonial era until the present day.

Notes: May be retaken for additional credit.

Courses of Study

509. African-American History (3).

A survey of the experiences and contributions of blacks from the African origins to the present.

Notes: Offered variable times.

515. The United States as a World Power since 1898 (3).

A survey focusing on the principles of American foreign policy and their historical evolution.

Notes: Offered variable times.

518. A History of the Old South (3).

A history of the Old South from its founding to the eve of the Civil War.

Notes: Offered variable times.

521. The New South (3).

A study of Southern institutional development from Reconstruction to the present.

Notes: Offered variable times.

524. The Emergence of Modern America, 1877-1933 (3).

A study of industrialization, populism, urbanism, Social Darwinism, imperialism, Progressivism, World War I and its aftermath.

Notes: Offered variable times.

525. The United States since 1939 (3).

A study of political, social, economic and diplomatic developments since 1939 with particular attention to the recent past.

Notes: Offered variable times.

527. The American Revolution (3).

Explores the origins, substance and outcome of the American Revolution from the French and Indian War through the Federalist Era. Particular attention will be devoted to examining the different expectations that different segments of colonial society brought to the Revolution and the extent to which these hopes were realized by the creation of a New Nation.

Notes: Offered variable times.

530. World Environmental History (3).

A comparative examination of world environmental history.

Notes: Offered in fall and spring.

540. Ancient Greece and Rome (3).

A survey of the history of Greece and Rome from the first Bronze Age civilization on Crete to the barbarian migrations of the 5th-century A.D.

Notes: Offered variable times.

542. Medieval European History (3).

A study of European politics, society and culture from the fall of the Roman Empire to the 15th-century.

Notes: Offered variable times.

547. History of Modern Russia (3).

A survey of Russian history, focusing on events from the development of revolutionary movements in the 19th-century until the present.

Notes: Offered variable times.

548. History of Modern Germany (3).

History of Germany since the 1850s, including the rise of Bismarck, the unification of Germany, the First World War, Hitler, the Third Reich, the Holocaust, division between East and West in the Cold War, and reunified Germany's present-day dominant role in Europe.

550. Special Topics in History (3).

Advanced in-depth consideration of specific topics of particular concern within history.

Notes: May be retaken for additional credit under different topics. Offered variable times.

551. The Middle East since Islam (3).

A survey of the history of the modern Middle East since the rise of Islam.

Notes: Offered variable times.

552. South Asia since 1600 (3).

A survey of modern South Asia (India, Pakistan, Bangladesh, etc.) since 1600.

Notes: Offered variable times.

553. China since 1600 (3).

A survey of the history of modern China since circa 1600 (since the Qing Dynasty).

Notes: Offered variable times.

561. *The History of the Caribbean (3).*

The study of socioeconomic and political trends of the major islands in the Caribbean Sea from the colonial period to the present.

Notes: Offered variable times.

601. *Academic Internship to History (3).*

Prerequisite(s): Open to majors only.

Permission of chair, Department of History.

Notes: A grade of S or U is recorded. Offered variable times.

610. *Great Issues in American History (3).*

Advanced, in-depth consideration of special topics in American history.

Notes: May be retaken for additional credit under different topics.

611. *America at War In the 20th-Century (3).*

From the 1898 Spanish-American War to 1991's Desert Storm, the scope of this graduate course allows us to discuss in a seminar environment nearly 100 years of our nation's history.

Notes: Offered in fall.

614. *Colonial and Revolutionary America (3).*

A survey of U.S. History from cultural contact between Indians and Europeans through the era of the American Revolution.

615. *American Civil War and Reconstruction (3).*

A History of the coming of the American Civil War, The War itself and the ensuing Reconstruction period.

616. *Aspects of American Social History (3).*

Emphasis on women, the family and other topics in 19th-century social history.

618. *Comparative Slavery in the Americas (3).*

A study of the role and status of slave and free blacks in the 19th-century societies of Canada, Latin and Spanish America, the Caribbean and the United States.

620. *History of American Women (3).*

A graduate reading colloquium which focuses upon the history of women in the United States from the colonial period to the present.

625. *20th-Century U.S. Foreign Policy (3).*

A graduate seminar which focuses on 20th-century foreign policy in the United States.

640. *Great Issues in Modern European History (3).*

Advanced, in-depth consideration of special topics in modern European history.

Note: May be retaken for additional credit under different topics.

641. *The Expansion of Europe (3).*

European expansion from the Renaissance through the late 19th-century.

643. *The Era of the French Revolution (3).*

A study of the origins and history of the French Revolution and its impact on Europe. It spans the period from the Age of Reason to the downfall of Napoleon.

650. *Great Issues in Asian History (3).*

An introduction to current scholarship and historiographic trends on comparative issues in modern Asian history. The focus of the course will shift to reflect changes in scholarship.

Note: May be retaken for additional credit under different topics.

655 A. *Traveling Seminar in History (1).*

An introduction, overview and in-depth study of a particular country or region which will accompany a study tour of the same region. Prerequisite(s): Permission of instructor.

655 B. *Traveling Seminar in History (2).*

An introduction, overview and in-depth study of a particular country or region which will accompany a study tour of the same region. Prerequisite(s): Permission of instructor.

655 C. *Traveling Seminar in History (3).*

An introduction, overview and in-depth study of a particular country or region which will accompany a study tour of the same region. Prerequisite(s): Permission of instructor.

695. *Thesis (3).*

Prerequisite(s): Open to majors only.

Permission of chair, Department of History.

Courses of Study

696. Thesis (3).

Prerequisite(s): Open to majors only.

Permission of chair, Department of History.

Human Nutrition (NUTR)

520. Sports Nutrition (3).

Assessment of specific nutritional needs of intercollegiate and recreational athletes.

Prerequisite(s): NUTR 427 and permission of chair, Department of Human Nutrition.

Notes: Offered in spring.

521. Nutrition and Metabolism (3).

Physiological and biochemical bases of nutrient utilization and energy metabolism.

Prerequisite(s): BIOL 305, NUTR 421, and CHEM 521 and 522.

Notes: Lab Fee: \$15. CHEM 522 may be taken as a corequisite. Offered in fall.

522. Community Nutrition (3).

Nutritional studies of groups and community resources and programs providing nutritional services.

Prerequisite(s): NUTR 427 or permission of instructor.

Notes: Offered in fall.

523. Food Science Principles (3).

Chemical and physical factors affecting food composition and quality.

Prerequisite(s): NUTR 321 and 322; CHEM 301 and 303 or equivalent; or permission of instructor.

Corequisite: NUTR 524.

Notes: Offered in spring.

524. Sensory and Objective Evaluation of Foods (1:0-3).

Sensory and objective evaluation of food products prepared in the laboratory.

Corequisite(s): NUTR 523.

Notes: Lab Fee: \$50. Offered in spring.

527. Medical Nutrition Therapy (3).

Nutritional requirements and care of acutely ill patients.

Prerequisite(s): NUTR 427; CHEM 301 and 303.

Notes: Lab fee: \$15. Offered in fall.

528. Experiences in Nutrition Therapy (2:0-24)

CADE accredited internship nutrition therapy field placement in hospital settings.

Prerequisite(s): NUTR 427 or equivalent and permission of instructor.

Notes: Lab Fee: \$100. A grade of S or U is recorded. Offered in spring and summer.

529. Experiences in Community Nutrition (2:0-24)

CADE accredited internship field placement in public health or community settings.

Prerequisite(s): NUTR 427 or equivalent and permission of instructor..

Notes: Lab Fee: \$100. A grade of S or U is recorded. Offered in spring and summer.

530. Experiences in Food Systems Management (2:0-24)

CADE accredited internship field placement in food systems management.

Prerequisite(s): NUTR 471, NUTR 572 and permission of instructor.

Notes: Lab Fee: \$100. A grade of S or U is recorded. Offered in spring and summer.

534. Seminar in Human Nutrition (3).

Contemporary issues, trends, and research in human nutrition are discussed and evaluated critically. Special emphasis on assessment, evaluation and documentation of nutrition status.

Prerequisite(s): NUTR 427.

Notes: Offered in fall. Intensive writing course.

551-569. Special Topics: Food and/or Nutrition (1, 2, or 3).

Individual student projects executed in the laboratory, library and/or in the community.

Prerequisite(s): Permission of chair, Department of Human Nutrition.

Notes: Offered in fall and spring.

572. Dietetics Management (3).

Analysis of the planning, organizing, directing, evaluating and controlling of resources in food service, community nutrition and medical nutrition therapy.

Prerequisite(s): NUTR 471 and 472 or equivalent.

600. Seminar in Food and Nutrition (3).

Issues, trends and research related to current concerns within selected areas of food and nutrition.

Prerequisite(s): NUTR 607 and NUTR 421 or equivalent.

Notes: Offered every other semester. May be retaken for additional credit.

604. Advanced Medical Nutrition Therapy (3).

Review of current literature and evidenced-based protocols in medical nutrition therapy for selected disease states.

Prerequisite(s): NUTR 427 or equivalent.

605. Nutrition Assessment (3).

The course is designed to provide an overview of methods that are available for measuring the adequacy of dietary intakes, nutrient reserves and health and function in relation to nutrition for both individuals and populations.

Prerequisite(s): NUTR 427 and NUTR 607.

Notes: Lab fee: \$50.

607. Research Methods (3).

Understanding and applying research; developing basic skills in writing proposals and conducting research.

Notes: Cross listed as VCED 607. Offered in fall.

610. Nutrition in the Third World (3).

Special nutrition problems and needs of Third World nations, world food supply, social and cultural context and specific nutritional deficiencies in the Third World are considered.

Prerequisite(s): NUTR 421.

620. Maternal and Child Nutrition (3).

The unique nutritional needs of infants and children, pregnant and lactating women, and the means of achieving improved nutrition for these groups.

Prerequisite(s): NUTR 427 or equivalent.

621. Nutrition and Aging (3).

Physiological and nutritional requirements of individuals 60 years of age and older.

Prerequisite(s): NUTR 427.

623. Intermediary Metabolism (3).

Regulation of carbohydrate, protein and fat metabolism in the human body.

Prerequisite(s): NUTR 521 or equivalent and CHEM 310/311 or equivalent.

Notes: Lab Fee: \$10.

624. Vitamin Metabolism (3).

The absorption, metabolism and function of vitamins in humans.

Prerequisite(s): CHEM 310/311 or equivalent; NUTR 521 or equivalent.

Notes: Lab Fee: \$10.

625. Abnormal Metabolism (3).

Nutritional implications of metabolic disorders.

Prerequisite(s): NUTR 427 and 521 or equivalents.

626. Mineral Metabolism (3).

The metabolism, absorption and function of minerals in humans.

Prerequisite(s): CHEM 310/311 or equivalent, NUTR 521 or equivalent.

Notes: Lab Fee: \$10.

627. Recent Developments in Food Science and Nutrition (3).

Review of current literature in food science and nutrition.

Prerequisite(s): NUTR 427 and 607 or equivalent.

Notes: Offered every other semester.

650. Special Topics: Food and/or Nutrition (3).

Applied research project. Required for the Master of Science degree without a thesis.

Prerequisite(s): NUTR 607 and completion of 6-9 semester hours of credit in the major area of study.

695. Thesis (3).

Development of an individual investigation.

Prerequisite(s): NUTR 607.

Notes: A grade of S or U is recorded. Credit for NUTR 695 is not awarded until NUTR 696 is completed.

Courses of Study

696. Thesis (3).

Completion of an individual investigation.

Prerequisite(s): NUTR 607 and 695.

Notes: A grade of S or U is recorded.

Integrated Marketing Communication (IMCO)

553. Special Topics in IMC (3).

Prerequisite(s): Junior status, 2.0 GPA and permission of chair, Department of Communications.

Notes: Offered occasionally. May be retaken for additional credit.

International Area Studies (INAS)

625. Seminar in International Area Studies (3).

An interdisciplinary, interregional study of a contemporary global problem.

Liberal Arts (LART)

601. The Search for Order: The Empirical Eye (3).

The first of three core colloquia examines how we search for order through sensory experience including, for example, the scientific approach.

Notes: Open only to MLA students.

602. The Search for Order: The Rational Eye (3).

Investigates how we search for order through reason, logic and other mental processes exemplified in such disciplines as philosophy and mathematics.

Notes: Open only to MLA students.

603. The Search for Order: The Intuitive Eye (3).

Explores how we search for order through aesthetic, emotional and contemplative means embodied in the arts, literature and myths.

Notes: Open only to MLA students.

604. Capstone Colloquium (3).

Master of Liberal Arts students design, with the help of an advisor, and complete a scholarly project focused by a theme or idea arising out of the student's individual course of study.

Prerequisite(s): LART 601, 602 and 603.

Notes: To be taken as the student's last course in the MLA program.

Management (MGMT)

523. Collective Bargaining and Labor Relations (3).

Recognition, negotiation and administration of labor agreements in the public and private sector. Also covered is the bargaining process in general and human resource management in a union-free environment.

Prerequisite(s): MGMT 321.

Notes: Offered in fall and spring.

524. Employment Law (3).

Private and public sector employment law with emphasis on labor relations, employment discrimination and current trends in the public policy of regulation of the employment relationship.

Prerequisite(s): MGMT 321

Notes: Offered in fall, spring and summer.

526. Compensation and Benefits Analysis (3).

Planning, designing and controlling benefit and compensation systems integrating current knowledge on the relationship between work, reward and productivity. Philosophical, technical and legal issues will be addressed.

Prerequisite(s): MGMT 321.

Notes: Offered in fall and summer.

529. International Management (3).

Cultural, legal and ethical context of international management. International strategic, operational, human resources and information systems. Organization and control systems. Cross-cultural issues in communication, leadership, motivation, negotiation and teamwork.
Prerequisite(s): MGMT 321.

622. Advanced Human Resource Management and Labor Relations (3).

A comprehensive study of the issues, decision variables and public policy considerations for the management of an organization's human resources with special attention on public and private sector differences, international variation and unions.
Prerequisite(s): MGMT 327 and 422 or equivalents; or permission of instructor.
Notes: Offered on demand.

625. Entrepreneurship and New Venture Management (3).

A study of the problems and opportunities associated with the initiation and management of new business organizations or projects. The course focuses on the unique properties associated with planning, organizing, directing and controlling an innovative venture.
Prerequisite(s): FINC 311, MGMT 321 and MKTG 331.
Notes: Offered on demand.

650. Theory and Behavior of Business Organization (3).

Evolutionary development of organizational theory and the examination of its relationship to economic, social, political and technological changes in society.
Prerequisite(s): MGMT 321.
Notes: Offered in fall, spring and summer.

652. Quality Management and Control (3).

The fundamentals of quality management and control in manufacturing and service producing processes; the principal tools used in quality management and how these tools can be put into practice.

657. Strategic and International Issues in Management (3).

Seminar in strategic management designed to integrate business functions and examine issues that develop in the relationship between organizations and their changing environment, both global and domestic.
Prerequisite(s): FINC 655.
Notes: Offered in fall, spring and summer.

659. Principles of Public Relations (3).

Purposes and practices of public relations, its role in management and society and its potential as a career.
Notes: Offered in spring.

660. Business Environment/Public Policy (3).

Government regulation, nature of business responses and interaction between business and its environment.
Notes: Offered on demand.

661. Information Systems (3).

Study of the organizational usage of information systems and technology. Emphasis is on the impact of information systems on organizations regarding competitive advantage, structure, decision-making and individual productivity.
Notes: Offered in fall, spring and summer.

662. Operations Management (3).

Design and management of customer-focused operations in services and manufacturing. Managing quality, technology and resources in the organization and supply chain. Integrating operations management with other business functions.
Prerequisite(s): QMTH 651

671. Advanced Business Communications (3).

Business communications with emphasis on advanced business communications, research techniques, interview processes, oral business presentations and concise writing.
Notes: Offered in fall, spring and summer.

Courses of Study

675. Leadership Dynamics (3).

The dynamics of leadership explored through theory, organizational learning and group dynamics, in-depth case study, diagnostic tools and self-development.

Prerequisite(s): MGMT 321.

Marketing (MKTG)

581. Marketing for Global Competitiveness (3).

Prepares managers for the challenges of competing in the global marketplace.

Prerequisite(s): MKTG 380.

582. Sales Management (3).

Sales force management including selection, training, compensation, motivation and evaluation of the sales organization.

Prerequisite(s): MKTG 380.

653. Marketing Management (3:3-0).

A graduate marketing strategy course that integrates buyer behavior, marketing research, demand analysis and sales forecasting, and the elements of the marketing mix, economics, accounting, finance, and the strategic marketing decision-making process under a variety of environmental conditions.

Prerequisite(s): MKTG 380, FINC 311, QMTH 205.

Mass Communication (MCOM)

510. Magazine Editing and Production (3).

Theory and techniques of magazine editing and production; editorial objectives and formulas, issue planning, article selection, layout, illustration, typography, printing and circulation. Magazine project required.

Prerequisite(s): Junior status and 2.0 GPA.

Notes: Offered even years in spring.

551-553. Special Topics in Mass

Communication (1) (2) (3).

Prerequisite(s): Permission of instructor.

Notes: Offered occasionally. May be retaken for additional credit. May count only as elective hours for MCOM majors and minors.

615. Issues in Literature of Mass

Communication (3).

Seminar in basic issues and problems in journalism and mass communication as presented in significant books and journals.

Notes: Offered odd years in spring.

Mathematics (MATH)

503. Vector Calculus (3).

Vectors, tensors, differential forms, covariant differentiation, curvature and elementary differential geometry.

Prerequisite(s): MATH 301.

Notes: Offered on request.

509. Real Analysis I (3).

Topics in the study of functions of a real variable, including limits, continuity, differentiability, sequences, series.

Prerequisite(s): MATH 522.

Notes: Offered in spring.

520. Foundations of Geometry (3).

Topics in Euclidean and non-Euclidean geometry, including incidence geometry, congruence, similarity, area theorems, circles and spheres.

Prerequisite(s): MATH 300.

Notes: Offered in fall.

522. Elements of Set Theory and Introduction to Topology (3).

Fundamentals of set theory and point-set topology, including functions, Cartesian products, topological spaces, open and closed sets, metric spaces, connected and compact spaces.

Prerequisite(s): MATH 300 and MATH 301.

Notes: Offered in fall.

535. Numerical Analysis (3).

Analysis of algorithms, including polynomial approximation of real functions, numerical differentiation and integration and manipulation of matrices.

Prerequisite(s): MATH 300 and 301 or permission of chair, Department of Mathematics.

Notes: Offered on demand.

541. Probability and Statistics I (3).

Probability theory from an axiomatic viewpoint, including combinatorics, discrete and continuous random variables and multivariate distributions.

Prerequisite(s): MATH 302.

Notes: Offered in fall.

542. Probability and Statistics II (3).

Statistical inference from a mathematical viewpoint, including the central limit theorem, point and interval estimation and regression.

Prerequisite(s): MATH 541.

Notes: Offered alternate years in spring.

543. Introduction to Stochastic Processes (3).

A survey of stochastic processes and their applications to probabilistic modeling. Topics will include discrete and continuous time Markov processes, Poisson process and time-series analysis.

Prerequisite(s): MATH 300 and 541.

Notes: Offered spring of alternate years.

545. Statistical Theory and Methods II (3).

Analysis of linear models, including both regression and ANOVA models. Contingency tables are also studied.

Prerequisite(s): MATH 541.

Notes: Offered alternate years in spring.

546. Applied Statistics for the Sciences (3).

Survey of statistical methodology applied to problems from the sciences with emphasis on the area of Health and Human Nutrition. Statistical tests will be reviewed and applied to current issues.

Prerequisite(s): MATH 141 or permission of instructor.

Notes: Offered in fall and summer.

547. Introduction to Categorical Models (3).

An introduction to the analysis of categorical data. Topics will include methods for comparison of binomial proportions, $r \times c$ contingency tables and logistic and log linear modeling.

Prerequisite(s): MATH 542.

Notes: Offered spring of alternate years.

550. Special Topics in Mathematics (3:3:0).

In-depth study of a mathematical topic.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit once for each topic.

551. Algebraic Structures (3).

Theory of rings and fields, with special attention to PID's, UFD's, Euclidean domains and modules.

Prerequisite(s): MATH 351 or equivalent.

Notes: Offered alternate years in fall.

553. Theory of Numbers (3).

Divisibility, primes, congruences, special functions, continued fractions and rational approximations.

Prerequisite(s): MATH 351 or equivalent.

Notes: Offered spring of alternate years.

575. Optimization Techniques II (3:3:0).

A continuation of MATH 375. Areas of study include mathematical modeling, integer programming, combinatorial optimization and network algorithms.

Prerequisite(s): MATH 375.

Notes: Offered variable times.

610. Real Analysis II (3).

Continuation of MATH 509, including the following topics: Riemann-Stieltjes integration, uniform convergence, l_p and L_p spaces, the Stone-Weierstrass theorem and the implicit function theorem.

Prerequisite(s): MATH 509.

Notes: Offered in fall.

Courses of Study

615. Measure Theory I (3).

Course includes studies in limit supremum, limit infimum, Borel sets, outer measure, Lebesgue measure, Littlewood's principles, Riemann and Lebesgue integration, monotone functions and the differentiation of an integral.

Prerequisite(s): MATH 610 or permission of chair, Department of Mathematics.

Notes: Offered on request.

617. Measure Theory II (3).

Course includes integration theory and differentiation of integrals on abstract measure spaces, general convergence theorems, signed measures and the radon-nikodym theorem.

Prerequisite(s): MATH 615 or permission of chair, Department of Mathematics.

Notes: Offered on request.

649. Nonparametric Statistics (3).

A survey of current nonparametric techniques. Topics will include the sign test, runs test, Wilcoxon rank-sum test and the Kruskal-Wallis test.

Prerequisite(s): MATH 542.

Notes: Offered on request.

650. Selected Topics in Mathematics (3).

An in-depth examination of a particular topic in graduate mathematics. Selections may be from the areas of algebra, probability and statistics, analysis or geometry.

Prerequisite(s): MATH 302, 351 and 541 or equivalent; and permission of instructor.

Notes: May be retaken for additional credit.

655. Advanced Linear Algebra (3).

Theory of linear transformations and their applications.

Prerequisite(s): MATH 300, 351 or equivalent.

Notes: Offered on request.

656. Topics in Module Theory (3).

Introduction to modules and operations on submodules including quotient modules, direct sums, free modules and basic homological algebra.

Prerequisite(s): MATH 551 or permission of chair, Department of Mathematics.

Notes: Offered on request.

681. Microcomputers and Scientific Calculators (3).

Programming and use of microcomputers and graphing calculators (Casio, HP and TI) with special attention to algebraic manipulation, calculus, matrix and vector operations and statistical computation.

Notes: Offered in summer and on request.

Mathematics Education (MAED)

548. Secondary Math Curriculum and Pedagogy Issues (3:3-1).

A study of the secondary mathematics curriculum (7-12). This course addresses specific instructional needs and techniques related to the teaching of secondary mathematics concepts.

Prerequisite(s): Admission to Teacher Education Program.

Notes: Intensive writing course. Offered in spring.

591. Principles of Teaching Mathematics (3:0-0).

This course addresses specific instructional needs and techniques related to the teaching of mathematics and is designed for students in the MAT program.

Prerequisite(s): MAED 548, Graduate status and Admission to the Teacher Education Program.

Corequisite(s): MAED 592.

Notes: Offered in fall.

592. Field Experience in Teaching Mathematics (1:0-8).

Students will spend 8 hours per week in a public school under the supervision of a mathematics education professor and will work with a mentor-teacher in preparation for the final internship experience.

Prerequisite(s): MAED 548. Graduate status and admission to Teacher Education Program. Corequisite(s): MAED 591.

Notes: A grade of S or U is recorded. Offered in fall.

603. Calculus for Secondary Teachers (3).

Thorough review of the basic concepts of calculus, with motivating examples and typical problems.

Prerequisite(s): At least 6 semester hours of undergraduate calculus.

694. Special Topics for Middle School or Junior High School Mathematics Teachers (3).

Selected topics and teaching methodology from the foundations of mathematics as applied to the elementary grades 5-8 curriculum standards.

Notes: May be retaken for additional credit as topics vary. Course topics are selected from, but not limited to, the following areas: probability and statistics, algebra and geometry. Area will be designated on the transcript.

695. Special Topics for Secondary School Mathematics Teachers (3).

A study of special topics and teaching methodology from the foundations of mathematics as applied to the secondary school 9-12 curriculum standards.

Notes: Offered on demand. May be retaken for additional credit. Course topics are selected from, but not limited to, the following areas: probability and statistics, algebra and technology and Tech Prep I and II. Area will be designated on the transcript.

Modern Languages Education (MLAN)

503. Applied Linguistics (3).

Study of the systems underlying language acquisition and how to apply them in effective teaching and learning.

Notes: Offered on demand.

530. A, B or C. Language and Cultural Studies Abroad (6-3).

Under the direction of a Winthrop University professor, students pursue intensive studies of language at a foreign university. Excursions are organized to places of cultural interest.

Prerequisite(s): Completion of FREN/SPAN/GERM 101-102 or equivalent.

Notes: A = French; B = Spanish and C = German. Offered in summer and on demand.

591. Principles in Teaching Modern Languages (3).

To give students a 4 hour per week classroom experience on different methodology by a Modern Language education professor.

Notes: Offered in spring and in fall on demand.

592. Field Experience in Teaching Modern Languages (1:0-8).

Students will spend 8 hours per week in a public school under the supervision of a modern languages education professor and will work with a mentor teacher in preparation for the final internship experience.

Prerequisite(s): Graduate status. Admission to Teacher Education Program.

Corequisite(s): MLAN 591.

Notes: A grade of S or U is recorded.

Music Applied (MUSA)

Applied Music Courses (1, 2, 3 or 4 hours credit). Prerequisite: Successful completion of graduate entrance audition.

Lab Fees for Applied Music courses are assessed as follows:

one hour lesson	\$150
one half-hour lesson	\$100

Courses of Study

The following course numbers are used for the instruments indicated. All applied music is assigned through the chair, Department of Music and does not appear in the Course Schedule Bulletin. MUSA 605, 610, and 614 may be retaken for additional credit. MUSA 611, 612, 613 and 614 are to be taken in sequential order.

Instrument Designators for Applied Music Courses:

- A. Piano***
- B. Organ***
- C. Harpsichord***
- D. Voice***
- E. Violin***
- F. Viola***
- G. Cello***
- J. String Bass***
- K. Guitar***
- M. Flute***
- N. Oboe***
- Q. Clarinet***
- R. Bassoon***
- S. Saxophone***
- T. Trumpet***
- U. Trombone***
- V. Horn***
- W. Euphonium***
- Y. Tuba***
- Z. Percussion***

511. Score Reading (2-1).

Detailed study and analysis of musical scores to facilitate reducing scores to piano accompaniment.

Prerequisites: MUSA 282, MUST 212 and 507 or permission of instructor.

Notes: May be retaken for additional credit.

621C. Choral Conducting (1-4: 0.5-1:0).

Advanced techniques in score analysis, manual technique, style and interpretation for the choral conductor.

Prerequisite(s): Successful completion of applied entrance audition.

621N. Instrumental Conducting (1-4: 0.5-1:0).

Advanced techniques in score analysis, manual technique, style and interpretation for the instrumental conductor.

Prerequisite(s): Successful completion of applied entrance audition.

622C. Choral Conducting (1-4: 0.5-1:0).

A continuation of the advanced techniques covered in MUSA 621C.

Prerequisite(s): MUSA 621C.

622N. Instrumental Conducting (1-4: 0.5-1:0).

A continuation of the advanced techniques covered in MUSA 621N.

Prerequisite(s): MUSA 621N.

623C. Choral Conducting (1-4: 0.5-1:0).

A continuation of the advanced techniques covered in MUSA 622C.

Prerequisite(s): MUSA 622C.

623N. Instrumental Conducting (1-4: 0.5-1:0).

A continuation of the advanced techniques covered in MUSA 622N.

Prerequisite(s): MUSA 622N.

624C. Choral Conducting (1-4: 0.5-1:0).

A continuation of the advanced techniques covered in MUSA 623C.

Prerequisite(s): MUSA 623C.

Notes: May be retaken for additional credit.

624N. Instrumental Conducting (1-4: 0.5-1:0).

A continuation of the advanced techniques covered in MUSA 623N.

Prerequisite(s): MUSA 623N. Notes: May be retaken for additional credit.

631. Composition (4-1).

Applied instruction in music composition.

Prerequisite(s): Permission of instructor.

632. Composition (4-1).

Applied instruction in music composition; a continuation of MUSA 631.

Prerequisite(s): MUSA 631 or permission of instructor.

Notes: May be retaken for additional credit.

Music Ensembles. *Music Ensembles are open to all Winthrop University graduate students, regardless of degree. Auditions, where required, are scheduled during each registration period. Ensembles may be retaken for additional credit.*

651. Winthrop Glee Club (1:3).

A large, mixed ensemble which also functions as Men's Glee Club and Women's Glee Club.
Prerequisite(s): Permission of instructor.

652. Winthrop Chorale (1:4).

A 45-voice choir that tours throughout the Southeast. Two major concerts each year.
Prerequisite(s): Audition required.

653. Jazz Voices (1:3).

Vocal jazz ensemble of 16 singers and instrumentalists performing historic jazz and contemporary arrangements.
Prerequisite(s): Audition required.

654. Chamber Singers (1:2).

A small vocal ensemble performing music drawn from five centuries, including Renaissance madrigals, Baroque cantatas, Classical church music, 19th-century part songs and contemporary music.
Prerequisite(s): Audition required.

657. Symphonic Band (1:4).

A large wind and percussion ensemble that performs at least two formal concerts per year.
Prerequisite(s): Permission of instructor and audition required.

658. Wind Ensemble (1:2).

A select ensemble of wind and percussion instruments performing primarily new and demanding works for the medium.
Prerequisite(s): Audition required.

659. Jazz Ensemble (1:3).

Performs arrangements for large jazz bands.
Prerequisite(s): Audition required.

660. String Ensemble (1:2).

An ensemble formed from available string players during any given semester. Practice outside the designated coaching sessions is required.

Prerequisite(s): Audition required.

661. Rock Hill Chamber Orchestra (1:3).

Performs chamber works for strings and other instruments.

Prerequisite(s): Audition required.

662. Jazz Combos (1).

Small group jazz setting of acoustic and synthesized instruments concentrating on the study and performance of improvisation in contemporary jazz and popular musical styles.
Prerequisite(s): Audition required.

663. Percussion Ensemble (1:3).

A full percussion ensemble performing all styles of percussion literature from the standard repertoire and from other cultures.
Prerequisite(s): Audition required.

664. Flute Choir (1:2).

A full flute choir formed from available players during any given semester. Practice outside the designated coaching sessions is required.
Prerequisite(s): Audition required.

665. Brass Ensemble (1:2).

A full brass ensemble formed from available players during any given semester. Practice outside the designated coaching sessions is required.
Prerequisite(s): Audition required.

666. Chamber Ensemble: Vocal (1:2).

Small vocal ensembles formed during any given semester.
Prerequisite(s): Audition required.

667. Chamber Ensemble (1:0-1).

Various chamber ensembles formed from strings, winds, guitar, percussion and keyboards during any given semester.
Prerequisite(s): Permission of chair, Department of Music.
Notes: May be retaken for additional credit.

Courses of Study

668. Guitar Ensemble (1:2).

Various small guitar ensembles formed from available guitarists during any given semester. Practice outside the designated coaching sessions is required.
Prerequisite(s): Audition required.

669. Collegium Musicum (1:2).

A chamber ensemble formed from available players during any given semester performing a variety of early music on original instruments. Practice outside the designated coaching sessions is required.
Prerequisite(s): Audition required.

670. Opera Production (1).

Participation and experience in an opera production. The work performed will vary with the semester.
Prerequisite(s): MUST 321 and audition or permission of instructor.
Notes: May be retaken for additional credit.

Music (MUST)

501. Piano Literature (3).

A study of literature for the piano from its beginning through contemporary practices.
Prerequisite(s): MUST 306 or permission of instructor.

503. Organ Literature (3).

A survey of representative organ works from the 16th through the 20th centuries.
Prerequisite(s): MUST 306 or permission of instructor.

505. Opera Literature (3).

Historical development of opera with detailed study of selected operas.
Prerequisite(s): MUST 306 or permission of instructor.
Notes: Offered as needed.

506. Choral Literature (3).

A survey of choral literature from 1450 through the 20th century, with detailed analysis of representative masterworks.
Prerequisite(s): MUST 306 or permission of instructor.

507. Music Since 1900 (3).

A study of styles, trends, systems and literature from about 1900 to the present including neo-tonal, atonal, serial, electronic and experimental formats.
Prerequisite(s): MUST 306 and MUST 212 or equivalent.

508. Standard Choral Repertory (3).

A survey of the standard choral repertory for high school singers. The class will analyze, sing and play excerpts from about 200 sacred and secular pieces in varying levels of difficulty (grade II through V).
Prerequisite(s): MUSA 282, MUST 212 and 507, or permission of instructor.

509. Art Song Literature (3).

A survey of European and American art song with emphasis on 19th and 20th century German and French literature.
Prerequisite(s): MUST 306 or permission of instructor.

511. Orchestration and Arranging (3).

Techniques and principles of scoring for strings, woodwinds, brass, percussion and chorus; arranging and adapting music for instrumental and/or choral groups.
Prerequisite(s): MUST 212 and any two of MUSA 291, 293, 295 or 297.
Notes: Offered as needed.

512. Analytical Techniques (3).

A capstone course that assimilates aspects of music theory, harmony, analysis and aural skills needed for advanced courses in literature, history, performance and music education.
Prerequisite(s): MUST 212 and MUST 214 or graduate standing.
Notes: Offered in fall.

513. Counterpoint (3).

Study of contrapuntal techniques from the Renaissance to the present, emphasizing J.S. Bach. Writing projects include 16th-century and 18th-century inventions, canons and fugues.

Prerequisite(s): MUST 212 or permission of instructor.

Notes: Offered as needed.

514. History of Jazz (3).

An examination of jazz styles, including extensive study of several major figures. Students learn to distinguish the various styles through analysis of rhythmic, melodic, harmonic and instrumental differences.

Prerequisite(s): MUSA 306 or permission of instructor.

Notes: Offered as needed.

515. Chamber Music Literature (3).

A survey of selected chamber music from the beginning through the present day. Includes a study of formal elements and aural recognition of representative works.

Prerequisite(s): MUSA 306 or permission of instructor.

Notes: Offered as needed.

516. Symphonic Literature (3).

An historical and chronological survey of symphonic literature from the pre-classic to the present, including a study of formal elements and aural recognition of representative works.

Prerequisite(s): MUSA 306 or permission of instructor.

Notes: Offered as needed.

517. Percussion Literature (3:3:0).

A survey of percussion literature from its earliest antecedents in military and orchestral music through the major genres of the 20th century, including chamber music, percussion and marimba ensembles and solo genres for timpani, multiple percussion and keyboard percussion.

Prerequisite(s): MUST 306 and MUST 212 or permission of instructor.

518. Wind Literature (3).

A survey of the basic repertory for concert band and wind ensemble from the Renaissance to the present.

Prerequisite(s): MUST 212 and 507, or permission of instructor.

519. Vocal Pedagogy (3:3:0).

An introduction to the basic methodologies used in establishing good vocal technique; an overview of the historical perspectives as well as current vocal science. The course includes actual supervised practical experience.

Prerequisite(s): MUSA 112D or permission of instructor.

Notes: Offered in fall and spring.

520. Piano Pedagogy (3).

Designed for prospective piano teachers. A survey of materials, educational principles and methods of teaching piano for individual and group lessons.

Notes: Offered as needed.

521. Composition for Music Education (2:2-1).

A course focusing on compositional processes from the 16th-century to the present.

Extensive work in the Musical Instrument Digital Interface (MIDI)/computer music lab included.

Prerequisite(s): MUST 212 or permission of instructor.

Notes: Offered in fall.

523. Accompanying (1:1:0.5).

Study of skills, sight reading and style required of accompanists. At least one song cycle or one instrumental sonata will be required.

Prerequisite(s): Permission of instructor.

Notes: Offered as needed.

531. Computer Music Technology I (3).

An introductory course to microcomputers and Musical Instrument Digital Interface (MIDI) hardware for the purpose of musical creativity.

Prerequisite(s): MUST 212 or permission of instructor.

Courses of Study

532. Computer Music Technology II (3).

A continuation of the skills acquired in MUST 531 with more advanced practical applications.
Prerequisite(s): MUST 531 or permission of instructor.

535. Diction: English/Italian/Latin (1:2:0).

Principles and practices of English, Italian and Latin diction for singers.

Prerequisite(s): MUSA 112D or permission of instructor.

Notes: Offered in fall.

536. Diction: French/German (1:2:0).

Principles and practices of French and German diction for singers.

Prerequisite(s): MUSA 112D or permission of instructor.

Notes: Offered in spring.

551-559. Special Topics in Music (1) (2) (3).

Topics may include literature courses for piano, organ, art song, choral, percussion, wind, women and music or other topics.

Prerequisite(s): Permission of chair, Department of Music.

Notes: Offered as needed. May be retaken for additional credit.

561. Medieval/Renaissance Music (3).

An advanced study of the music of the Western European tradition from 600-1600. Includes history, genre studies, literature, analysis of scores and extensive listening.

Prerequisite(s): MUST 306 or permission of instructor.

562. Baroque Period Music (3).

An advanced study of the music of the Western European tradition from 1600-1750. Includes history, genre studies, literature, analysis of scores and extensive listening.

Prerequisite(s): MUST 306 or permission of instructor.

563. Classic Period Music (3).

An advanced study of the music of the Western European tradition from 1750-1820. Includes history, genre studies, literature, analysis of scores and extensive listening.

Prerequisite(s): MUST 306 or permission of instructor.

564. Romantic Period Music (3).

An advanced study of the music of the Western European tradition from 1820-1900. Includes history, genre studies, literature, analysis of scores and extensive listening.

Prerequisite(s): MUST 306 or permission of instructor.

590. Principles of Teaching Music: Elementary (3).

A methods course that addresses specific instructional needs and techniques for teaching general music in the elementary school.

Prerequisite(s): Admission to Teacher Education Program. MUST 212 and 317.

Notes: Offered in spring.

591. Principles of Teaching Music: Secondary (3).

A methods course that addresses specific instructional needs and techniques for teaching general music in the secondary school.

Prerequisite(s): Admission to Teacher Education Program; MUST 590.

Corequisite: EDUC 390.

Notes: Offered in fall.

592. Field Experience in Teaching Music (1: 0-8).

Laboratory experience equivalent to 28 half-days designed to lead music students through an exploration and examination of various research-based programs of instructional planning, methodology, classroom management, and evaluation of teaching and learning.

Prerequisite(s): MUST 590.

Corequisite(s) MUST 591 and EDUC 390.

602. Advanced Instrumental Techniques (3).

Programming, rehearsing and teaching the school orchestra, marching band, concert band and jazz ensemble. A continuation of topics in MUST 591 and additional advanced topics. Prerequisite(s): MUST 591 or equivalent.

604. Advanced Choral Techniques (3).

Methods and materials for teaching high school choral music. Rehearsal techniques, tone, diction, programming, organization and management. Analysis of representative repertory. Prerequisite(s): MUST 591 or equivalent.

605. Twentieth Century Music Literature (3).

A study of styles, trends, systems and literature from about 1900 to the present, including neo-tonal, atonal, serial, electronic and experimental formats.

607. Form and Style in Music (3).

An analytical study of the formal and stylistic practices and techniques of representative composers of the 18th-20th centuries.

612. Foundations of Music Education (3).

A survey of historical, philosophical, sociological and psychological issues that affect music education.

614. Research in Music (3).

A survey of music research designs and techniques. Prerequisite(s): MUST 612 required for MME students.

616. The Music Curriculum K-12 (3).

Examination of principles and problems of curriculum design and implementation in music education K-12. Prerequisite(s): MUST 612. Notes: Offered in fall.

621. Opera Workshop I (2:3).

Laboratory for the development of skills in acting and singing of opera and musical theatre through the study of scenes from standard operatic repertory and short operas, with performances possible. Notes: May be retaken for additional credit.

622. Opera Workshop II (2:3).

Continuation of MUST 621, continued development of skills in acting and singing of opera and musical theatre. Notes: May be retaken for additional credit.

630-639. Special Topics in Music (1) (2) (3).

Prerequisite(s): Permission of chair, Department of Music. Notes: May be retaken for additional credit.

641. Orff-Schulwerk Level I (3).

A two-week summer course for music teachers to develop basic competencies in the principles and pedagogy of Orff-Schulwerk. Prerequisite(s): Permission of instructor.

642. Orff-Schulwerk Level II (3).

A two-week summer course for music teachers to develop advanced competencies in the principles and pedagogy of Orff-Schulwerk. Prerequisite(s): Orff level I certification or permission of instructor.

Philosophy (PHIL)

550. Special Topics in Philosophy (3).

An in-depth consideration of a specific topic of concern in philosophy. The course may be offered under various topics. Prerequisite(s): Permission of instructor. Notes: May be retaken for additional credit. Offered in fall, spring and summer.

Physical Education (PHED)

500. Clinical Experiences in Athletic Training VI (1).

This course provides opportunities for application of skills in a clinical setting. All experiences are obtained under the direct supervision on an ATC. Emphasis will be on advanced skills of injury evaluation and development and implementation of treatment protocols for male and female athletes involved in "high risk" sports.

Prerequisite(s): PHED 499 and PHED 496B.

Notes: Offered in spring.

510. Financial Management of Fitness and Interscholastic Athletic Programs (3).

The purpose of the course is to introduce students to a number of financial and staffing topics that are relevant to the sport industry. Major concepts to be studied will include basic financial concepts, budgeting, revenue streams, current financial issues in sports, staffing, assessment of staff, staffing policy and procedures and a number of other relevant topics.

Prerequisite(s): PHED or SPMA major and junior, senior or graduate status.

512. Seminar on Contemporary Leaders and Organizations in Health, Physical Education and Recreation (2).

Study of current issues and contemporary leaders through preliminary study and attendance at the South district or National AAHPERD Convention.

Notes: May be retaken for additional credit.

515. Computer Utilization in Physical Education (3).

This course is designed to familiarize students with computer administrative functions of word processing, data based management and electronic spreadsheet, as well as appropriate computer software in classroom applications. Prerequisite(s): CSCI 101, EDUC 275 or permission of instructor.

525. Risk Management in Physical Activity and Sport (3).

This course is designed to introduce the student to the legal principles applicable to a variety of sport settings. The topic of tort liability will be explored in depth with special emphasis on effective management of risk.

Prerequisite(s): Junior status or above as an SPMA or PHED major.

548. Psychology of Sport and Physical Activity (3).

An analysis of the psychological factors involved in sport and physical activity with emphasis on performance enhancement.

Prerequisite(s): PSYC 101.

563. Therapeutic Modalities for Athletic Training (3:2).

An introduction to purposes, effects and applications of therapeutic modalities for use in treating athletic injuries. Lecture, demonstration and discussion formats will be included. Prerequisite(s): PHED 338.

Notes: Offered in spring.

563L. Therapeutic Modalities for Athletic Training Lab (1).

Guided laboratory experience in the application of therapeutic modalities.

Corequisite(s): PHED 563.

Notes: Offered in spring.

564. Assessment of Athletic Injuries and Illnesses: Head, Trunk, and Spine (3:2:1).

Lecture/demonstration experiences designed to expose students to techniques and knowledge required of athletic trainers. Topics covered include head, trunk and spine injury evaluation, training room operations and procedures and initial management of injuries.

Prerequisite(s): BIOL 306.

564L. Assessment of Athletic Injuries and Illnesses: Head, Trunk and Spine Lab (1).

Guided laboratory and clinical experience in athletic training. Observation and practice of skills gained in lecture, including the evaluation of head, trunk and spine injuries. Actual

practice in dealing with athletic injuries, including attending athletic events under staff supervision.

Corequisite(s): PHED 564.

Notes: Offered in fall.

565. Therapeutic Exercise and Rehabilitation for Athletic Training (3:2).

An introduction to intermediate and advanced techniques in therapeutic exercise and rehabilitation programs for athletic injuries. Lecture, discussion and demonstration formats will be included.

Prerequisite(s): PHED 338, PHED 339 and PHED 564.

Notes: Offered in spring.

565L. Therapeutic Exercise and Rehabilitation for Athletic Training (1). Guided laboratory experience designed to provide competency in the development of reconditioning programs.

571. Theory of Coaching (3).

Introduction to the philosophy, principles and techniques of coaching with emphasis on the psychological and sociological processes.

Notes: Offered in fall.

611. Physical Education Curriculum (3).

An analysis of the elements of current curriculum theory with particular application to physical education, health, dance, recreation and related fields.

Prerequisite(s): PHED 449 or equivalent.

615. Technological Applications for Research and Study in Physical Education, Health and Sport (3).

Designed to enable the student to utilize technological resources in the organization, analysis and presentation of research as well as in the application of practical assessment procedures in the fields of physical education, health and sport.

Prerequisite(s): EDUC 640.

Corequisite(s): EDUC 640.

650 thru 659. Physical Education Special Topics (3).

This series of courses will provide curriculum options for MS physical education students to

study discrete topics, issues and trends within the discipline and related fields.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit.

662. Adapted Physical Education (3).

Designed to aid the student in developing guidelines for curriculum implementation to plan methods and to program physical education activities for individuals with physical disabilities.

Prerequisite(s): PHED 350 or equivalent.

670. Advanced Strategies in Teaching Elementary Physical Education (3).

Strategies in methodology for elementary physical education including curriculum development as directed by National and State standards or guidelines.

Notes: Offered every two years.

671. Special Problems in Teaching Secondary Physical Education (3).

Designed to assist the experienced physical educator in finding alternative ways to handle disciplinary and curricula problems. Emphasis on individual humanistic approach.

Notes: Offered every two years.

681. Current Issues and Trends in Physical Education and Sport (3).

An in-depth examination of the major issues in physical education and sport as reported in the current professional literature.

Prerequisite(s): A course in principles and philosophy of physical education or permission of instructor.

Notes: Offered every two years in fall.

682. Scientific Basis of Sport and Physical Activity (3).

Designed to investigate and apply principles of exercise physiology, biomechanics and motor learning through experimentation and lecture.

Prerequisite(s): Motor learning, exercise physiology, biomechanics.

Notes: Offered every two years in spring.

684. Sports Management (3).

Management of sports in various settings: includes economics, marketing, personnel and sports law.

Courses of Study

685. Strength and Conditioning Programs for Athletes (3).

This course is designed to investigate current techniques and theories of strength training and conditioning for various sports and activities from physiological and biomechanical perspectives.

Prerequisite(s): Permission of instructor.

691. Research Project (3).

An independent action research project and paper. Topic approved by project advisor. Oral presentation required.

Prerequisite(s): Permission of instructor.

Notes: A grade of S or U is recorded.

692. Field Experience in Teaching Physical Education (1: 0-2).

This course uses laboratory experiences equivalent to 28.5 days in a physical education setting. Students will put into practice instructional planning, classroom techniques and principles of pedagogy and assessment of learning.

Prerequisite(s): Admission to MAT program.

Corequisite(s): PHED 670 or 671.

695. Thesis (3).

Development of an individual investigation or applied research project. Oral defense required.

Prerequisite(s): 9 hours of graduate work to include NUTR 607 or EDUC 640.

Notes: A grade of S or U is recorded. Credit not recorded until PHED 696 is completed.

696. Thesis (3).

Completion of an individual investigation. Oral defense required.

Prerequisite(s): PHED 695.

Notes: A grade of S or U is recorded.

Physics (PHYS)

615. Physics Tech I (3).

The course provides teachers with the instructional and laboratory skills needed to teach physics for the technologies I. It covers the units on: force, work, rate, resistance, energy and power.

Prerequisite(s): South Carolina Class III Teaching Certificate.

Political Science (PLSC)

501. Academic Research in Political Science (1).

Students conduct original research in a Political Science field.

Prerequisite(s): Permission of instructor and chair required.

Notes: May be retaken for a total of 6 semester hours. Students are limited to 9 total credits in PLSC 498, 501, 502, 503 combined.

502. Academic Research in Political Science (2).

Students conduct original research in a Political Science field.

Prerequisite(s): Permission of instructor and chair required.

Notes: May be retaken for a total of 6 semester hours. Students are limited to 9 total credits in PLSC 498, 501, 502, 503 combined.

503. Academic Research in Political Science (3).

Students conduct original research in a Political Science field.

Prerequisite(s): Permission of instructor and chair required.

Notes: May be retaken for a total of 6 semester hours. Students are limited to 9 total credits in PLSC 498, 501, 502, 503 combined.

504. American Foreign Policy (3).

Study of policy formulation and the decision-making process.

Prerequisite(s): PLSC 205 or PLSC 207, graduate status or permission of instructor.

505. Government and Politics of Modern China (3).

This course will provide students a chance to focus on one of the most powerful Asian countries in the world in terms of its place in present day politics. Students will learn how China deals with its own policies as a

Communist country and how it deals with the rest of the world.

Prerequisite(s): PLSC 205 or PLSC 207 or graduate status or permission of instructor.

Notes: Course may be retaken for additional credit for a maximum of six hours.

506. International Political Economy (3).

A study of the foundations and operation of the international political economy. Examines the impact and influences of the key institutions, theories and trends guiding the interaction of politics and economics globally.

Prerequisite (s): PLSC 205 or PLSC 207 or graduate status or permission of the instructor.

508. National Security Policy (3).

An exploration of a number of approaches to national security, including traditional military analysis to newer issues such as environmental and resource security.

Prerequisite(s): PLSC 205 or PLSC 207, graduate status or permission of instructor.

Notes: Offered alternate fall semesters.

510. Topics in Political Inquiry (3).

Topics to be chosen by the instructor.

Notes: May be retaken for additional credit. Offered variable times.

512. Politics and Education (3).

Public schools as agents of political socialization and their interaction with governments and political forces at the local, state and national level.

Prerequisite(s): Grade of C or better in PLSC 201, graduate status or permission of instructor.

Notes: Offered variable times.

518. Politics of the American South (3:3:0).

Focuses on the unique politics of the South. It places southern politics in its theoretical and historical context and examines the central role of race in southern politics as well as regional importance to national politics.

Prerequisite(s): PLSC 201 with a grade of C or better or permission of the instructor.

Notes: Offered fall or spring on biennial basis.

532. Government and Politics of Asia (3).

Examination of contemporary political issues, political forces and governmental institutions in Asia.

Prerequisite(s): PLSC 205 or PLSC 207, graduate status or permission of instructor.

Notes: Offered variable times.

551. African-American Political Thought (3).

This course explores the historical struggle of African-Americans to assess their identity in relationship to their legal and social oppression. In reflecting on the work of Audre Lorde, W.E.B. DuBois, Frederick Douglass, Langston Hughes, James Baldwin, Ralph Ellison, Sojourner Truth, Toni Morrison, Edward Said, Martin Luther King, Malcolm X, Cornell West, Henry Louis Gates, Alice Walker, Bell Hooks, Mark Twain and others. We will angle in on the question of black identity from a variety of perspectives.

Particular attention will be paid to the relationship between these articulations of "blackness" and the historical and political settings in which they arise. Informed class discussions will be emphasized. Students will be expected to write a term paper and present it to the class.

Prerequisite(s): GNED 102 or permission of instructor or graduate status.

553. Feminist Theory (3).

This course is designed to acquaint students with the variety of ideas, methods and issues raised within contemporary feminist literature.

Prerequisite(s): GNED 102, graduate status or permission of instructor.

640. Contemporary Political Issues (3).

Topics to be chosen by the instructor.

Notes: May be retaken for additional credit with permission of chair, Department of Political Science.

Psychology (PSYC)

503. Abnormal Psychology (3).

Introduction to the disorders of behavior.

Prerequisite(s): PSYC 101.

Notes: Offered in fall and spring.

Courses of Study

504. Psychology of Women (3).

Intensive study of the research and issues in psychology that pertain specifically to women.

Prerequisite(s): PSYC 101.

Notes: Offered in fall and spring.

505. Physiological Psychology: Biological Foundations of Behavior (3).

Study of the human nervous system and its relation to behavior and experience.

Prerequisite(s): PSYC 304 or permission of chair, Department of Psychology.

Notes: Offered in spring.

506. Psychological Measurements (3).

Study of the construction, evaluation and application of individual and group tests and the analysis and interpretation of their results.

Prerequisite(s): PSYC 101 or EDUC 300.

Notes: Offered in fall.

507. Social Psychology: The Individual and Other People (3).

Examination of the intrapersonal and interpersonal factors that influence human social behavior.

Prerequisite(s): PSYC 101.

Notes: Offered in fall, spring and summer.

508. Principles of Learning: Cognition (3).

The human viewed as a system that processes information. Topics include sensory processes, memory, language and thinking.

Prerequisite(s): PSYC 304 or permission of chair, Department of Psychology.

Notes: Offered in fall, spring and summer.

509. Principles of Learning: Conditioning (3).

Review of the theoretical concepts and major variables relevant to animal and human motivation and conditioning.

Prerequisite(s): PSYC 304 or permission of chair, Department of Psychology.

Notes: Offered in fall.

510. Behavior Analysis and Behavior Change (3).

Study of application of behavior management techniques in educational, clinical and domestic settings.

Prerequisite(s): PSYC 101.

Notes: Offered in fall and spring.

512. The Exceptional Child (3).

Study of individuals with special problems in cognitive, emotional or motor ability.

Prerequisite(s): PSYC 101.

Notes: Offered in fall.

513. Introduction to Theory and Fundamentals of Clinical Practice (3).

Survey of theoretical issues and training in professional skills useful to pursuing a career in applied areas of psychology.

Prerequisite(s): Junior status; PSYC 101; 503 or 514; or permission of instructor.

514. Theories of Personality (3).

Advanced integrative study of the most important theories of personality.

Prerequisite(s): One course in PSYC numbered above 299.

Notes: Offered fall and spring.

515. Health Psychology and Behavioral Medicine (3).

Study of the biological, social and psychological factors that combine to influence human health and health practices.

Models and methods of identification, prevention and treatment applicable to behavioral medicine will be reviewed.

Prerequisite(s): PSYC 101 and 505 or equivalent, or graduate status in psychology or an allied profession.

Notes: Offered in fall.

516. Industrial and Organizational Psychology (3).

Introduction to psychology in industry, business and other large organizations.

Prerequisite(s): PSYC 101.

Notes: Offered in spring.

520. Contemporary Issues in Psychology (3).

In-depth consideration of a topic of particular concern within modern psychology. May be offered under various topics.

Prerequisite(s): PSYC 101 and permission of chair, Department of Psychology.

Notes: May be retaken for additional credit under different topics. Offered on demand.

601. Psychopathology of Childhood and Adolescence (3).

Advanced study of preventive methods, etiologies, identification and interventions related to psychopathology.
Prerequisite(s): PSYC 306 and PSYC 503 or 512.

602. Introduction to Counseling (3).

Study of the major theories of personality development and the techniques of counseling derived from them.
Prerequisite(s): PSYC 101.

603. Therapeutic Psychology: Techniques of Counseling and Psychotherapy (3).

Therapeutic and empirical aspects of psychotherapy and behavior change.
Prerequisite(s): PSYC 602 or permission of instructor.
Note: Open to majors only.

604. Advanced Studies in Human Development (3).

Intensive study of human development with emphasis on recent research.
Prerequisite(s): PSYC 101 and a course in human growth and development.

606. Applied Behavior Analysis and Intervention (3).

Study and application of behavior analysis and intervention techniques.
Prerequisite(s): PSYC 101 and permission of instructor.
Notes: Offered in spring.

607. Curriculum-Based Assessment and Academic Interventions (3).

Study and practice of curriculum-based assessment and interventions for academic skills and problems.
Notes: Offered in spring.

608. Psychological Assessment for Intervention I (3).

Competency-based instruction in individual psychological assessment and use of results for problem-solving and intervention planning.
Prerequisite(s): PSYC 506 or equivalent and permission of instructor (open to majors only).
Notes: Lab Fee: \$20.

609. Psychological Assessment for Intervention II (3).

Competency-based instruction in individual psychological assessment and use of results for problem-solving and intervention planning.
Prerequisite(s): PSYC 608 and permission of instructor (open to majors only).
Notes: Lab Fee: \$20. Offered in fall.

611. Advanced Therapeutic Psychology: Techniques for Mental Health Services in the Schools (3).

Advanced study and practice of therapeutic psychology with an emphasis on mental health services in schools.
Prerequisite(s): PSYC 603 and/or permission of instructor (open to majors only).

612. Psychological Assessment for Intervention III (3).

Competency-based instruction in individual psychological and developmental assessment with an emphasis on infants and special populations of children and youth.
Prerequisite(s): PSYC 608 and 609 and permission of instructor (open to majors only).
Notes: Lab Fee: \$20.

613. Advanced Statistics and Data Analysis (3).

Statistical analyses of psychological data with emphasis on applied settings.
Prerequisite(s): PSYC 304.
Notes: Lab Fee: \$20.

614. Research Methodology and Applications (3).

Survey of research methodology and design as applied to research and evaluation in psychology and education.
Prerequisite(s): PSYC 613.

615. Seminar in Professional School Psychology (3).

Review of the development and current status of school psychology as a professional specialty.
Prerequisite(s): PSYC 101 and permission of instructor.
Note: Open to majors only.

Courses of Study

617. Understanding and Counseling the Adolescent (3).

A course to familiarize the helper with the psychological/culture forces which shape the behavior of the adolescent, and counseling techniques to help the adolescent.

618. Consultation and Indirect Services (3).

The study of indirect service roles and responsibilities in school psychology, including consultation, supervision, in-service training, organizational development and prevention. Prerequisite(s): PSYC 615 and permission of instructor.

Notes: Open to majors only.

620. School Psychology Traineeship I (3).

Applied, closely supervised experience in the schools. Students will perform many functions of school psychologists, including assessment, behavior analysis and intervention, counseling, consultation and academic interventions. Prerequisite(s): PSYC 615, 606 or 510, 607 and permission of instructor (open to majors only).

621. School Psychology Traineeship II (3).

Applied field experience in the schools under close supervision of the instructor. Students will perform many functions of school psychologist at an advanced level including assessment, behavior management, academic interventions, consultation and counseling. Prerequisite(s): PSYC 620 and permission of instructor.

Notes: Open to majors only.

625. Advanced Seminar in School Psychology (3).

Review of coursework and discussion of current issues and trends. Includes a comprehensive examination of all program training experiences. Prerequisite(s): PSYC 101, 615 and permission of instructor.

Note: Open to majors only.

651. School Psychology Internship I (3).

Supervised introduction to the provision of school psychological services emphasizing an

orientation to the educational system.

Prerequisite(s): PSYC 608, 615, and permission of instructor.

Notes: A grade of S or U is recorded. Open to majors only.

652. School Psychology Internship II (3).

Supervised experience providing school psychological services emphasizing assessment and psychoeducational program planning.

Prerequisite(s): PSYC 608, 609, 615 and permission of instructor.

Notes: A grade of S or U is recorded. Open to majors only.

653. School Psychology Internship III (3).

Supervised experience providing school psychological services emphasizing techniques of intervention and consultation.

Prerequisite(s): PSYC 652 and permission of instructor.

Notes: A grade of S or U is recorded. Open to majors only.

654. School Psychology Internship IV (3).

Supervised experience providing indirect psychological services in educational settings emphasizing administrative roles and research. Prerequisite(s): PSYC 653 and permission of instructor.

Notes: A grade of S or U is recorded. Open to majors only.

670-678. Continuing Professional Development in School Psychology (1).

Current topics in school psychology for practicing school psychologists.

Prerequisite(s): Licensure or certification in School Psychology or allied profession.

Notes: A grade of S or U is recorded. May be retaken for additional credit.

679. Continuing Professional Development in School Psychology (2).

Prerequisite(s): Licensure or certification in School Psychology or allied profession.

Notes: A grade of S or U is recorded. May be retaken for additional credit.

690. Special Topics in School Psychology (3).

Consideration of a topic of particular concern to professional school psychology. May be

offered under various topics.

Prerequisite(s): PSYC 101 and permission of instructor.

Notes: May be retaken for additional credit under different topics.

Quantitative Methods (QMTH)

651. Statistical Methods for Decision-Making (3).

Statistical methods, regression and time series analysis in the decision-making process.

Prerequisite(s): CSCI 101 and ECON 205.

658. Quantitative Methods in Business (3).

Use of quantitative models in the decision-making process.

Prerequisite(s): QMTH 651.

Reading (READ)

510. Literature for Children (3).

An introduction to books, magazines and non-print adaptations (e.g., audio recordings, filmstrips, books on disk, and video recordings) of literature appropriate for children's growth in literacy.

Prerequisite(s): READ 321, 322 or equivalent; for ELEM and ECED majors.

Corequisite: READ 461.

Note(s): Offered in fall, spring and summer.

541. Reading in the Secondary School (3).

A study of the background information and skills needed by secondary teachers for guiding pupils' growth in and through reading; identification of and planning for instruction needed.

Prerequisite(s): Admission to Teacher Education Program.

550 thru 559. Problems in Teaching Reading (1, 2, 3).

To assist school personnel in the identification, analysis and planning of strategies to overcome specific problems in the teaching of reading.

Notes: Offered on demand.

561. Teaching Basic Reading Skills (3).

Introductory course in teaching reading.

Prerequisite(s): EDUC 381 or equivalent and Admission to Teacher Education Program.

Notes: Students may not receive credit for READ 561 and READ 461 or READ 562.

Offered in spring.

562. Teaching Basic Reading Skills in Middle and Secondary School (3).

Persons teaching or preparing to teach in middle or secondary school examine basic reading skills in relation to the needs and characteristics of their pupils.

Prerequisite(s): EDUC 381 or equivalent and Admission to Teacher Education Program.

Notes: A student may not receive credit for READ 562 and READ 461 or READ 561.

571. Diagnostic and Prescriptive Teaching of Reading (3).

Students develop strategies for applying the principles learned in the basic reading course by providing instruction adjusted to the individual needs of one pupil.

Prerequisite(s): Grade of C or better in READ 461, READ 561 or READ 562 and Admission to Teacher Education Program.

Notes: Offered in fall, spring and summer.

Work with pupils required.

611. Issues in Teaching Literature for Children and Young Adults (3).

A study of issues and trends in children, young adults and appropriate adult literature as these relate to current classroom practice teaching literacy and other curricular areas.

Prerequisite(s): READ 510 or equivalent introductory course in children's literature.

621. Advanced Strategies for Teaching the Integrated English Language Arts (3)

The course explores methods and materials for promoting effective use of literacy (writing component), oral language development and nonverbal communications of learners in preschool through the eighth grade.

Notes: Offered in summer.

Courses of Study

623. Written Expression in Elementary and Middle School (3).

This course teaches the writing process, types or modes of writing, writing across the curriculum strategies and assessment techniques.

645. Teaching Content Area Reading (3).

Teachers (elementary to adult) identify literacy competencies needed in content areas, access pupil development of these competencies and adjust content instruction according to student strengths and needs in culturally diverse classrooms.

Notes: Offered in spring and summer.

661. Methods and Materials for Reading Instruction (3).

Teachers develop and evaluate exemplary reading strategies which encourage pupils to be lifelong readers and learners.

Prerequisite(s): A previous course in teaching reading.

Notes: Offered in summer.

662. Using Computer Software in the Reading Program (3).

Emphasis on types of software available, criteria for selecting software and effective development and use of software in the reading program. Designed for teachers in grades K-12.

Prerequisite(s): READ 661.

671. Diagnosis and Correction of Reading Difficulties in the Classroom (3).

This course is available to classroom teachers and teachers who plan to participate in and/or provide direction for programs designed to overcome reading problems.

Prerequisite(s): READ 621 or READ 645 and READ 661 and a minimum of one year of teaching experience.

Notes: Work with pupils required. Offered in fall.

672. Diagnosis and Correction of Reading Disabilities (3).

This course is designed to acquaint experienced reading teachers with diagnostic and instructional procedures typical of clinical reading situations.

Prerequisite(s): READ 661, 671, EDUC 681, a

graduate course in educational measurement and a minimum of one year of teaching experience.

Notes: Work with pupils required.

681. Organization and Supervision of Reading Programs (3).

An examination of the total reading program and strategies for changes.

Prerequisite(s): READ 661, 671, ELEM or SCED 611, and a minimum of one year of teaching experience.

Notes: Offered in summer.

691. Practicum in the Teaching of Reading (3).

Selection and implementation of procedures for evaluation and instruction that enable the teacher working in a group situation to provide reading instruction adapted to the individual needs of the pupils. Prerequisite(s): READ 661, 671 or 571 and a minimum of one year teaching experience.

Notes: Work with pupils required. Offered in spring.

Religion (RELG)

550. Special Topics in Religion (3).

An in-depth consideration of a specific topic of concern in religion. The course may be offered under various topics.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit.

Offered in fall, spring and summer.

Science (SCIE)

520. Special Topics in Science (3).

Readings and discussion of scientific topics which cross disciplinary boundaries. Primarily for juniors and seniors.

Prerequisite(s): A 3.0 GPA and/or permission of chair, Department of Biology.

Notes: Offered on demand.

591. Principles of Teaching Science (3).

Study and application of skills of planning, instruction, management and assessment of the Sciences. Includes a review of ethical and legal responsibilities of science teachers.

Prerequisite(s): Admission to MAT-BIO Program.

Corequisite(s): SCIE 592.

Notes: Offered in fall.

592. Field Experience in Teaching Science (1: 0-8).

Students will spend 8 hours per week in a public school under the supervision of a science education professor and will work with a mentor teacher in preparation for the final internship experience.

Prerequisite(s): Admission to Teacher Education Program at graduate level.

Corequisite(s): SCIE 591.

Notes: A grade of S or U is recorded.

Secondary Education (SCED)

611. Advanced Secondary School Curriculum and Instruction (3).

An accelerated study of secondary school curricular concepts and techniques of instruction. Major emphasis is placed on empirically-based knowledge of didactic material design, theories of cognition and systems of instructional management.

Prerequisite(s): Full admission to the MEd secondary education degree program or permission of instructor.

671. Secondary School Teaching Methodology (3).

A study of research-based methodologies for effective secondary school teaching.

Empirically certified methods of pedagogical content selection, planning, delivery and evaluation are emphasized.

Prerequisite(s): SCED 610, VCED 603 or PHED 611.

Social Studies Education (SCST)

591. Principles of Teaching Social Studies (3:0-0).

Students plan, teach and critique integrated instructional units focusing on the content area of Social Studies.

592. Field Experience in Teaching Social Studies (1: 0-8).

Students will spend 8 hours per week in a public school under the supervision of a social studies education professor and will work with a mentor teacher in preparation for the final internship experience.

Prerequisite(s): Graduate status. Admission to Teacher Education Program.

Corequisite(s): SCST 591.

Notes: Offered in fall. A grade of S or U is recorded.

Social Work (SCWK)

510. Protective Services for Children and Families (3).

Study of protective services and of the problems of child abuse and neglect, single parent families, foster care, parental rights, etc.

Notes: Offered on demand.

514. Child Welfare: Policies and Practice (3).

A study of child welfare including historical perspectives, current trends and issues, policy and legislation and implications for practice.

Notes: Offered on demand.

516. Social Work in Long Term Care (3).

Provides an overall view of long-term care and highlights social work roles/responsibilities, interdisciplinary team concept, social work techniques with residents and their families.

Notes: Offered on demand.

Courses of Study

517. Human Services in Health Care Settings (3).

A study of the development of human services in health care settings and the tasks of social workers in health settings. Health concerns of the general and specific populations will be explored in-depth.

Notes: Offered on demand.

536. Seminar on the Aging Family (3).

Factors relevant to the role and status of the aged. Attention to health, retirement income, living arrangements, generational relationship, leisure time, widowhood, resources and future prospects.

Notes: Offered on demand.

540. Social Work with Alcoholic Families (3).

Examination of the alcoholic family as a system, including organizing factors; childhood development and resulting adaptive behavior and pathology in adulthood; individual and group intervention within a family context.

Notes: Offered on demand.

550. Special Topics in Social Work (3).

Special topics of timely interest will be given on a one-time basis.

Notes: If interest is great enough, the topic may be retaken for additional credit. Offered fall, spring and summer.

Sociology (SOCL)

502. Social Theory (3).

Survey of the masters of sociological thought with emphasis upon contributions to contemporary theory.

Prerequisite(s): SOCL 101 or 201 or permission of instructor.

Notes: Offered in fall and spring.

504. The Sociology of Aging (3).

Analysis of the major social forces which affect aging and the ways modern society responds in planning for its elderly.

Notes: Cross listed as GRNT 504. Offered variable times.

505. Marriage and the Family (3).

Study of mate selection and marital adjustment; also child-rearing, divorce and change in family structure.

Notes: Offered variable times.

506. Sociology of Competitive Sport (3).

Emphasis on the functions of sport for individuals and on sport as a social institution.

Notes: Offered variable times.

515. Social Change (3).

Classical and modern approaches to social change and consideration of long- and short-term social trends.

Prerequisite(s): SOCL 101 or 201 or permission of instructor.

Notes: Offered variable times.

516. Social Research II: Methods (4:3-3).

Study of social research methods, with an emphasis on survey research and analyses of quantitative data and experience carrying out a research project.

Prerequisite(s): SOCL 316 or other basic research courses or permission of instructor.

Notes: Offered fall and spring.

518. Social Organization (3).

Study of the small group and its influence on the individual, the large organization and society-at-large.

Prerequisite(s): SOCL 101 or 201 or permission of instructor.

Notes: Offered variable times.

520. Sociology of Health and Illness (3).

Social etiology and ecology of disease, sociological factors affecting treatment and rehabilitation and the organization of medical care.

Notes: Offered variable times.

522. Sociology of Education (3).

Examination of American educational institutions with emphasis upon sociological and social psychological links to other social institutions and the wider society.

Notes: Offered variable times.

525. Sociology of Law (3:3:0).

Sociology of Law will focus on selected legal rules, principles, and institutions treated from a sociological perspective. This course will examine the major theoretical perspectives on law and society, legal reasoning, morality and law as well as substantive issues relating to the legal process.

Prerequisite(s): SOC 101, or 201 and SOC 325.

Notes: Offered spring and summer.

550 thru 559. Special Topics in Sociology (3).

Notes: Offered variable times.

601. Sociological Study of Contemporary Society (3).

Study of current trends in society focusing on topics of direct interest and value to other academic programs.

Spanish (SPAN)

From time to time, an additional course dealing with a special topic in Spanish may be offered if sufficient student interest is indicated and a faculty member is available to teach the course. Consult the chair of the department.

Prerequisite for all 500-level Spanish courses: completion of 18 semester hours of Spanish or equivalent or permission of the chair, Department of Modern Languages.

504. Cervantes (3).

This course will be a study of the life of Miguel de Cervantes and his masterpiece, Don Quijote de la Mancha.

Prerequisite(s): SPAN 401 and 402.

Notes: Offered variable times.

506. Spanish-American Literature to Modernism (3).

Readings of great literary figures of Spanish America from the Discovery (1492) until 1900.

Representative authors include Ercilla, Sor Juana, Garcilaso, Olmedo, Bello, Sarmiento,

Hernandez, Palma, Marti, Dario and Rodo.

Prerequisite(s): 6 semester hours of intermediate Spanish; SPAN 301 strongly recommended.

Notes: Offered variable times.

507. Modern Spanish-American Literature (3).

Coverage of modern and contemporary Spanish American literature from modernism in 1888 to 1945.

Prerequisite(s): 18 hours of SPAN or equivalent or permission of instructor.

Notes: Offered variable times.

510. Topics in Language and Literature (3).

The thrust of the course will vary, depending on student interest and faculty expertise.

Notes: May be retaken for additional credit with permission of chair, Department of Modern Languages.

521. Modern Drama (3).

A panoramic survey of the drama since Romanticism to the Contemporary scene.

Prerequisite(s): 18 hours of SPAN or equivalent or permission of instructor.

Notes: Offered variable times.

560. Advanced Conversation (3).

This course is designed to increase the students' competencies in two language skills: comprehension and speaking.

Prerequisite(s): SPAN 313 or permission of instructor.

Notes: Offered variable times.

575. Spanish Literature in Translation (3).

Readings and discussions of major works of Spanish literature in English translation. A knowledge of Spanish is not required. Course content can vary depending on the instructor.

Prerequisite(s): Open to advanced undergraduate and graduate students.

Undergraduate Spanish majors cannot use SPAN 575 toward the BA degree.

Notes: Offered variable times.

593. Advanced Oral and Written Communication (3).

For students already able to understand, speak and write Spanish who wish to improve these skills while moving toward more natural expression in modern Spanish.

Notes: Offered variable times.

Courses of Study

595. The Short Story (3).

Readings of the Spanish-American writers of the short narrative beginning with the early 19th-century's Esteban Echeverria and ending with today's short story masters.
Prerequisite(s): 18 hours of SPAN or permission of chair.
Notes: Offered variable times.

601. Great Figures of Spanish Literature (3).

This course is a survey of peninsular Spanish literature for graduate students only.
Prerequisite(s): 18 semester hours of Spanish or equivalent or permission of instructor.

602. Great Figures of Spanish-American Literature (3).

An overview of Spanish-American literature and an intensive reading of selected great figures of that literature from the Colonial period until contemporary times.
Prerequisite(s): 18 semester hours of Spanish or permission of chair, Department of Modern Languages.

604. History of the Spanish Language (3).

The course traces the development of the language stressing its Latin roots, and noting the various stages that have led to the emergence of modern Spanish.

605. Seminar in Spanish (3).

This course is designed to allow a graduate instructor to select his/her own readings according to the needs and interests of the graduate students who will be taking the course.
Prerequisite(s): 18 semester hours of Spanish or equivalent or permission of instructor.

607. Non-dramatic Works of the Golden Age (3).

This course includes major works of prose and poetry from the 16th- and 17th-centuries.

608. Golden Age Drama (3).

A detailed study of individual plays by representative dramatists of 17th-century Spain.
Prerequisite(s): Admission to MA Spanish or MAT program.

610. Advanced Culture and Civilization (3).

A review of Spain's cultural history with in-depth study of various aspects of those elements that make Spain unique in the western world.
Prerequisite(s): 18 semester hours of Spanish or equivalent or permission of instructor.
Notes: May be retaken for additional credit.

611. Advanced Culture and Civilization: Emphasis on Spanish-America (3).

Culture and civilization of Spanish-America from pre-Columbian times to the present focusing on the area's history, literature, art, music, society and politics.

651. Advanced Phonetics (3).

Study of Spanish phonetics with intensive work on the sounds of the Spanish language and some of its major dialects as found in Spain, Spanish-America and the United States.

693. Advanced Grammar and Composition (3).

For students already able to understand, speak and write Spanish who wish to improve these skills while moving toward more natural expression of modern Spanish. A continuation of SPAN 593.
Prerequisite(s): SPAN 593 or permission of instructor.
Notes: Offered as needed.

695. Thesis (3).

696. Thesis (3).

Special Education (SPED)

555. Career and Vocational Education for the Exceptional Learner (3).

Designed to provide teachers with background knowledge and skills in designing and implementing a comprehensive career and vocational education program.
Prerequisite(s): Admission to Teacher Education Program.

561. Characteristics of Children with Learning Disabilities (3).

An overview of the learning, behavioral and neurological characteristics of children with specific learning disabilities, including terminology and educational implications.

Prerequisite(s): Admission to Teacher Education Program.

Notes: Offered in fall.

562. Educational Procedures for Learning Disabilities (3).

An in-depth study of remedial techniques, methods and materials for remediation of learning disabilities including non-verbal disorders and disorders of auditory language, arithmetic, reading and spelling.

Prerequisite(s): SPED 561 or permission of instructor. Admission to Teacher Education Program.

575. Teaching Students with Severe Disabilities (3).

The course is designed for in-depth study of students with severe disabilities and appropriate curriculum goals, methods, materials and research.

Prerequisite(s): SPED 582 or permission of instructor.

Notes: Graduate students may enroll for certification.

582. Mental Retardation (3).

An in-depth study of the characteristics of individuals with mental retardation including but not limited to intelligence variables, learning factors and family issues.

Prerequisite(s): Admission to Teacher Education Program or graduate status.

Notes: Offered in fall and spring.

583. Children with Behavioral and Emotional Problems (3).

Course considers child development, personality structure and dynamics emphasizing an understanding of adjustment patterns and coping strategies for children with behavioral and emotional problems in the classroom and community.

Prerequisite(s): Admission to Teacher Education Program or graduate status.

Notes: Offered in spring.

585. Effective Teaching Practices for Students with Mild Disabilities (3).

Prepares special education majors to provide leadership in maximizing learning experiences of students with disabilities through effective teaching, curriculum planning, modification and adaptations of teaching materials and use of technology.

Prerequisite(s): Admission to Teacher Education Program or graduate status.

610. Teaching Exceptional Learners in Inclusive Setting (3).

This course is designed to introduce MAT students to characteristics of children and youth with disabilities. In addition, students will investigate appropriate methods for modification of the institutional environment and curricula, including technology and other innovations.

Prerequisite(s): EDUC 601.

613. Issues and Trends in Special Education (3).

A study of contemporary research in family-centered services, medicine, law, psychology, technology and education as it relates to providing for people with disabilities. Student will develop an individualized research agenda.

Prerequisite(s): Enrollment in MEd in special education.

618. Lifelong Integration (3).

The course will focus on the study of integration/transition across the life span, collaboration and team building and delivery of family-centered services.

625. Teaching Preschool Children with Disabilities: Curriculum Development and Implementation (3).

The course is a survey of curriculum development and implementation techniques for preschool children with disabilities.

Notes: A grade of S or U is recorded. Offered in summer.

Courses of Study

626. Teaching Students with Mild Disabilities in the General Classroom (3).

The course content will help teachers understand their role in meeting the instructional needs of students with exceptional learning needs in inclusive settings.

Notes: Offered in summer.

628. Applied Behavior Analysis (3).

This course is designed to review roots of applied behavior analysis (ABA), responsible use, technologies of behavior change programs, application of learning principles, maintenance of behavior changes and teaching students to manage their own behavior.

Notes: Offered in summer.

661. Young Children with Disabilities (3).

Provides information regarding identification, characteristics, needs and trends in educational programming for young children with disabilities.

663. Advanced Study of Methods for Teaching Exceptional Students (3).

The study and application of applied behavior analysis, cognitive strategy training, computer assisted and managed instruction and other validated methods.

Prerequisite(s): Permission of instructor.

665. Teaching Young Children with Disabilities (3).

Provides early childhood educators with techniques and procedures for teaching young children with disabilities.

671. Advanced Educational Assessment in Special Education (3:2).

Family-centered service assessment, portfolio/authentic assessment and outcomes based assessment/program evaluation comprise content of course. Emphasis placed on program planning and evaluation.

676. Advanced Studies in Learning Disabilities (3).

This course is designed for the student to obtain an in-depth knowledge of current information regarding learning disabilities. Information will be obtained through text, lecture, discussion, readings of current and historical journal literature, research and

presentations. Of importance is that students learn from one another, collaborate and share knowledge obtained through research, and refined formal presentations and technology skills.

Prerequisite(s): SPED 561 or permission of instructor.

677. Educational Procedures for Children with Behavioral and Emotional Problems (3).

This course is designed to develop competencies in diagnosis and therapeutic education of children with behavioral and emotional problems.

Prerequisite(s): SPED 583 or SPED 681.

681. Educational Implications for the Exceptional Individual (3).

Designed to introduce the student to the major areas of exceptionality. The characteristics, educational programs, community services and agencies, state and federal regulations and services are considered for each area of exceptionality.

691. Practicum in Teaching the Exceptional Child I (3).

Designed to develop and improve teacher competencies in diagnostic prescriptive teaching in the area of the student's specialization. Student selects area of emphasis-- (i.e. EH, LD, EMD, TMD). Conducted in public schools or other appropriate sites under the direct supervision of the college instructor.

Prerequisite(s): Permission of instructor.

Notes: May be retaken for additional credit. A maximum of 3 semester hours may be applied toward MEd special education.

692. Practicum in Teaching the Exceptional Child II (3).

Practicum will be conducted full-time for 10 weeks in the area in which the student is seeking teacher certification.

Prerequisite(s): Permission of instructor.

Notes: A grade of S or U is recorded.

694. Advanced Studies in Special Education (3).

The course is designed to continue development of the literature review begun in SPED 613 and to increase knowledge of

research practices in Special Education. Students will create a portfolio which will develop necessary skills for application for National Board for Professional Teaching Standards (NBPTS) certification. Prerequisite(s): SPED 613. Notes: Offered in spring only. A grade of S or U is recorded.

695. Thesis (3).

The student will conduct an individual investigation or applied research project. An oral defense is required. Prerequisite(s): SPED 613, EDUC 640 and approval of advisor. Notes: A grade of S or U is recorded.

Theatre Applied Technique (THRA)

521. Creative Dramatics (3).

Exploration of the use of creative drama techniques and their use in the development of units and lesson plans for the theatre classroom and across the curriculum. Prerequisite(s): Admission to Teacher Education Program. Junior status.

570. Advanced Practicum (3).

Supervised direction or design of a full-length theatre production. Prerequisite(s): Permission of chair, Department of Theatre and Dance. Notes: Offered in fall, spring and summer.

Theatre Theory (THRT)

512. Dramaturgy (3).

A research-centered exploration of plays from a dramaturgical perspective. Students will serve as dramaturgs for departmental productions and design educational materials for outreach into the school and community. Scripts will be examined from a variety of critical stances. Prerequisite(s): THRA 330 and 331, THRT 310 and 311.

571-573. Independent Study (1,2 or 3).

An individually designed study or creative project specific to the aptitudes and interests of the student.

Prerequisite(s): Permission of chair, Department of Theatre and Dance.

Notes: Offered in fall and spring.

590-599. Special Topics in Theatre (1, 2, or 3).

Extension of individual opportunities in theatre beyond existing departmental curriculum limits.

Prerequisite(s): Permission of chair, Department of Theatre and Dance.

610. Theatre History and Literature I (3).

A comprehensive survey of the development of world theatre and drama from their origins to 1800, including theatre architecture, theatrical conventions and theatre's relationship to society in each period.

Notes: Offered in fall.

611. Theatre History and Literature II (3).

A comprehensive survey of the development of world theatre and drama from 1800 to the present, including theatre architecture, theatrical conventions and theatre's relationship to society in each period.

Notes: Offered in spring.

691. Principles of Teaching Theatre (3).

A survey of various research-based instructional planning, methodology, classroom management, curricula and evaluations of teaching and learning in theatre, with direct application to the classroom.

Corequisite(s): THRT 692.

692. Field Experience in Teaching Theatre (1).

The course uses laboratory experiences equivalent to 14 full days to lead theatre education students through an exploration and examination of various research based programs of instructional planning, methodology, classroom management and evaluation of teaching and learning to complement content covered in THRT 691.

Corequisite(s): THRT 691.

Notes: Offered in fall.

Visual Communication (VCOM)

578. Professional Portfolio and Practices (3:0:6).

The development of a professional design portfolio. Course also covers preparation of a resume, professional standards and practices, legal issues and other items relevant to a practicing design professional.

Prerequisite(s): VCOM 486

Visual and Performing Arts (VPAS)

690. Special Topics in Arts Education (3).

Extends individual opportunities in arts education methodology beyond existing departmental curriculum units. Course intended to address contemporary issues in art, music, dance and theatre.

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Vocational Education (VCED)

500. Contemporary Issues: The Professional and Family Living (3).

Focus on synthesizing knowledge related to the dynamics and improvements of family life.

Notes: Offered in fall and spring.

501. Residential Technology (3).

This course examines the many technological changes that have affected the family residence. Sound and visual equipment, computers, home office and innovative household equipment will be studied.

Prerequisite(s): VCED 401.

551-569. Special Topics: Vocational Education (1) (2) (3).

Application of research to current problems in teaching.

Notes: Not offered this academic year. May be retaken for additional credit.

573. Vocational Cooperative Education (3).

Emphasizes elements common to all areas of cooperative programs. These include recruitment, selection, initiation, organization, counseling and placement of students in work situations.

Notes: Offered in fall.

602. Supervision and Leadership in Vocational Education (3).

Supervision and leadership theory and practical application to professional roles in school and community settings.

650. Special Topics: Research Project in Vocational Education (3).

Applied research project. Required for the Master of Science degree without a thesis. Prerequisite(s): NUTR 607 or VCED 607 and completion of 6-9 semester hours of credit in the major area of study or permission of instructor.

Notes: A grade of S or U is recorded.

672. Field Experience in Teaching Vocational Education (1:0-8).

This course uses laboratory experience equivalent to 14 days in a vocational education setting. Students will put into practice instructional planning, classroom techniques and principles of pedagogy and assessment of learning.

Prerequisite(s): Admission to MAT program.

Corequisite(s): SCED 671.

Notes: A grade of S or U is recorded.

Writing (WRIT)

500. The Theory and Practice of Tutoring Writers (3:3-1).

Advanced study of the theory and practice of tutoring writers with particular attention to the composing process, theories of learning in a conference setting and rapid analysis of student writing with the goal of engaging student writers in posing solutions to their writing problems.

Prerequisite(s): CRTW 201 or permission of instructor or graduate status.

Notes: Offered in fall.

501. Writing for Electronic Publication (3:3:0).

A discussion of and hands-on workshop in writing for electronic publication, including the rhetorical, contextual and ethical issues involved in creating such publications; the criteria for evaluating such publications; and the skills needed to create such publications.

Prerequisite(s): CRTW 201 (co-requisite or pre-requisite) or WRIT intensive course or graduate standing.

507. Short Story Writing (3).

An examination of contemporary short fiction and completion of 10,000 words comprising two or four original works.

Prerequisite(s): WRIT 307 or permission of chair, Department of English.

Notes: Offered in fall and summer.

516. Poetry Writing II (3).

An advanced workshop course similar to WRIT 316 in format. More critical analysis of established poets. Additional work on traditional forms.

Prerequisite(s): WRIT 316 or permission of instructor.

Notes: Offered in fall and spring.

530. Script Writing (3).

A workshop course in media script writing with an emphasis on theatre.

Prerequisite(s): WRIT 102 or permission of chair, Department of English.

Notes: Offered odd years in spring.

566. Technical and Scientific Writing (3).

Intensive training in organization, format and style of scientific and technical writing.

Prerequisite(s): WRIT 102 or CRTW 201; and either ENGL 380 or successful completion of a 200-level or higher course in BIOL, CHEM, CSCI, ENVS, GEOG, GEOL, GRNT, NUTR, MATH, PHYS, PSYC, SCIE or WELL or permission of the instructor or graduate status.

Notes: Intensive Writing and Intensive Oral Communication course. Offered in spring.

610. Seminar in Composition, Theory and Pedagogy (3).

This course involves intensive analysis of contemporary composition theories, including their historical roots and classroom applications, and will help prepare students to teach composition.

615. Seminar in Writing (3).

An advanced workshop in writing. Topics and types of writing may vary.

Notes: May be retaken for additional credit with permission of chair, Department of English.

616. Summer Writing Institute I (3).

An institute devoted to the exploration of practical and imaginative approaches to teaching the writing process.

Notes: May not be retaken.

617. Summer Writing Institute II (3).

An institute devoted to the exploration of practical and imaginative approaches to teaching the writing process.

Notes: May not be retaken.

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Associate Professor of Psychology
PhD, University of South Carolina

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Professor of Early Childhood Education
PhD, University of South Carolina

EUGENE M. BARBAN

Professor of Music
DMA, College-Conservatory of Music of the
University of Cincinnati

ANNE E. BEARD

Associate Professor of Speech
EdD, University of Georgia

KEITH J. BENSON

Assistant Professor of Management and Marketing
PhD, Pennsylvania State University

R. CARLTON BESSINGER

Associate Professor of Human Nutrition
PhD, University of North Carolina at
Chapel Hill

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Associate Professor of Finance
PhD, University of South Carolina

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Associate Professor of English
PhD, University of Rochester

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Assistant Professor of Middle Level Education
PhD, University of North Carolina at Greensboro

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Associate Professor of Geology
PhD, University of South Carolina

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Professor of Geology
PhD, University of South Carolina

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EdD, University of Mississippi

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PhD, University of South Carolina

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PhD, Northern Arizona University

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Professor of Business Administration-
Management and Marketing
EdD, University of Georgia

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Professor of Accounting
LLM, Boston University

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Professor of Mathematics and Chair,
Department of Mathematics
PhD, University of North Carolina at Chapel
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Associate Professor of Art and Design
PhD, Indiana University

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PhD, Oklahoma State University

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PhD, Clemson University

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MVA, University of Alberta

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Professor of Spanish
PhD, Michigan State University

Faculty

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Professor and Chair
Department of Health and Physical Education
EdD, Temple University

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Associate Professor of English
PhD, University of South Carolina

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PhD, University of California at Berkeley

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Professor of Mass Communication and Chair
Department of Mass Communication
PhD, Ohio State University

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Professor of Accounting
PhD, University of South Carolina

RACHEL COLLOPY

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PhD, University of Michigan

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Professor of Art and Design
MFA, University of Illinois

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Associate Professor of Accounting
PhD, University of North Carolina

HOUSTON A. CRAIGHEAD, JR.

Professor of Philosophy and Religion
PhD, University of Texas at Austin

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Associate Professor of Psychology
PhD, University of Miami

CAROLE V. deCASAL

Professor of Educational Leadership and Chair
Department of Counseling and Leadership
EdD, University of Utah

PEG DELAMATER

Associate Professor of Art and Design
PhD, University of Texas at Austin

MARK W. DEWALT

Professor of Educational Research and Director of
Graduate Studies, College of Education
PhD, University of Virginia

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Assistant Professor of Music
PhD, University of Memphis

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Professor of Biology
PhD, University of California at Davis

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Associate Professor of Biology
PhD, University of South Carolina

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EdD, University of Tennessee

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EdD, Kansas State University

L. ANDREW DOYLE

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MFA, Kent State University

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PhD, University of Washington

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PhD, Kent State University

DOUGLAS L. ECKBERG

Professor of Sociology and Chair
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PhD, University of Texas at Austin

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JD, University of Tennessee

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BFA, University of North Carolina at Charlotte

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Professor of Music
MEd, College-Conservatory of Music of the
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PhD, University of Tennessee

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Professor of Chemistry and Chair
Department of Chemistry
PhD, University of North Carolina at Chapel
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Assistant Professor of Chemistry
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PhD, Stanford University

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Assistant Professor of Special Education
PhD, Georgia State University

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Associate Professor of Education
PhD, Florida State University

SARAH F. STALLINGS

Professor of Human Nutrition, Associate Dean and
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College of Arts and Sciences
PhD, University of North Carolina at Greensboro

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Associate Professor of Art and Design and
Director, Winthrop University Galleries
MFA, University of South Carolina

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Associate Professor of Art and Design
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Professor of Economics
PhD, University of North Carolina at Chapel
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Professor of Art and Design and Dean
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PhD, Pennsylvania State University

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Associate Professor of Art and Design
MS, Pratt Institute

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PhD, University of North Carolina at
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Professor of Music
PhD, Indiana University

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DMA, University of North Texas

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DANNY W. TURNER

Professor of Mathematics
PhD, Clemson University

Faculty

JONATHA W. VARE

Associate Professor of Educational Psychology
And Director
Center for Pedagogy
PhD, University of North Carolina at Chapel Hill

DAVID H. VAWTER

Assistant Professor of Curriculum and Instruction
PhD, University of Virginia

HAN X. VO

Associate Professor of Economics
PhD, University of Tennessee

JERRY WALDEN

Professor of Art and Design and Chair
Department of Art and Design
MFA, University of Georgia

ALFRED D. WARD

Professor of Art and Design
ATD, Birmingham University, England

EDNA C. WARD

Professor of Management
EdD, University of Tennessee

DONNA M. WEBSTER-NELSON

Associate Professor of Psychology
PhD, University of Maryland

ROGER D. WEIKLE

Professor of Management and Dean
College of Business Administration
PhD, University of South Carolina

JANICE G. WELLS

Assistant Professor of Social Work
PhD, Florida State University

KRISTI WESTOVER

Assistant Professor of Biology
PhD, Washington State University

ANNIE-LAURIE WHEAT

Professor of Theatre and Dance and Chair
Department of Theatre and Dance
MFA, University of Georgia

PEGGY P. WHITING

Professor of Counseling and Development
PhD, Vanderbilt University

B. MICHAEL WILLIAMS

Professor of Music
PhD, Michigan State University

VIRGINIA S. WILLIAMS

Associate Professor of History
PhD, Florida State University

MELFORD A. WILSON, JR.

Professor of Political Science and Director
International Center
PhD, The American University

SANDRA L. WILSON

Associate Professor of Health and Physical
Education
EdD, University of Virginia

BRAD WITZEL

Assistant Professor of Special Education
PhD, University of Florida

PATRICIA GIBLIN WOLMAN

Professor of Human Nutrition and Chair
Department of Human Nutrition
EdD, Columbia University

JEANNIE M. WOODS

Professor of Theatre and Associate Dean
College of Visual and Performing Arts
PhD, City University of New York

THEODORE A. ZAINAL

Assistant Professor of Chemistry
PhD, University of Wisconsin at Madison

Faculty Awards

Distinguished Professor

The highest honor the Winthrop community can bestow upon a faculty member is the title Distinguished Professor of the Year. The selection indicates exceptional skill in teaching, significant research or creative effort, high standing among professional colleagues, and general service to the University. This honor is accompanied by an award from the Winthrop Alumni Association.

1961 Harold B. Gilbreth
 1962 Hampton M. Jarrell
 1963 Nolan P. Jacobson
 1964 Alice Louisa Love
 1965 Mary Elizabeth Massey
 1966 Dorothy Gardner Jones
 1967 John Shepard Eells Jr.
 1968 Rondeau G. Laffitte Jr.
 1969 Robert P. Lane
 1970 William G. Murdy
 1971 Helen A. Loftis
 1972 Mary T Littlejohn
 1973 John A. Freeman
 1974 Lawrence D. Joiner
 1975 Roy T. Will
 1976 Patricia R. McClendon
 1977 Ross A. Webb
 1978 Earnest R. Archer
 1979 Edmund D. Lewandowski
 1981 Michael L. Kennedy
 1983 James A. Casada
 1984 Anthony Lerro
 1985 Dorothy M. Medlin
 1986 James F. Crook
 1987 Robert S. Kline
 1988 Rosemary E. Althouse
 1989 Joseph Prus
 1990 Keith Bildstein
 1991 Jason H. Silverman
 1992 Gerald Perselay
 1993 Elda Franklin
 1994 Earl J. Wilcox
 1996 Jack W. Weaver
 1997 Gordon N. Ross
 1998 Alfred Ward
 1999 Darrell Parker
 2000 Donald Friedman

2001 Gary Stone
 2002 William Rogers
 2003 Betty Lou Land
 2004 Michael Williams

Outstanding Junior Professor

This award recognizes excellence among assistant professors. Selection indicates a reputation for inspired teaching, research or creative excellence, and dedication to the welfare of students. This honor is accompanied by an award from the Council of Deans.

1981 Keith L. Bildstein
 1982 Kent E. Foster
 1983 William F. Naufftus
 1984 Benjamin M. Hawkins
 1985 Jason H. Silverman
 1986 Susan J. Smith
 1987 Larry L. Hatcher
 1988 Sherrie L. W. Rhine
 1989 Elnora Stuart
 1990 Phil Moody
 1991 Margaret Johnson
 1992 Martin A. Knoll
 1993 Lynn Willoughby
 1994 Julian Smith III
 1995 Jonathan I. Marx and Jeannie Woods
 1996 Susan J. Marks
 1997 Thomas W. Polaski
 1998 Janice B. Chism
 1999 Karen Kedrowski
 2000 Alice Burmeister
 2001 Sandra Wilson
 2002 Keith J. Benson
 2003 Kelly Hewett
 2004 Scott Huffmon

Faculty Awards

James Pinckney Kinard and Lee Wicker Kinard Award for Excellence in Teaching

The James Pinckney Kinard and Lee Wicker Kinard Award for Excellence in Teaching, established in honor of former president James Pinckney Kinard and his wife, Lee Wicker Kinard, in 1984 by their family, is based on dedication to teaching, reputation on campus for teaching, and reputation among students. This honor is accompanied by a cash award.

1984 Roger R. Baumgarte
1985 Houston A. Craighead Jr.
1986 Edward P. Guettler
1987 Jerry Lee Helton
1988 Susan L. Roberts
1989 William Murdy
1990 David Rankin
1991 Betty Lou Land
1992 Gary L. Stone
1993 Rondeau G. Laffitte
1994 Phil Thompson
1995 William Naufftus
1996 Phil J. Moody
1997 Ralph Gustafson
1998 Charles Alvis
1999 Marsha Bollinger
2000 Bob Breakfield
2001 Jonathan Marx
2002 Gloria Jones
2003 Michael L. Kennedy

Faculty/Student Life Award

Presented by the Division of Student Life at the Fall Commencement. In recognition of a faculty member that has significantly contributed to the quality of Student Life and the Winthrop University community of learners.

1990 Edward P. Guettler
1991 James W. Johnston
1992 Roger R. Baumgarte
1993 W. Martin Hope
1994 Sonja Francis
1995 Joyce Veale
1996 Joseph Prus
1997 Gary Stone
1998 Jennifer Solomon
1999 Gloria Jones
2000 Alice Burmeister
2001 Jeff Sinn
2002 Antigo Martin-Delaney
2003 Shelley Hamill

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